A BRIEFE INTRODVCTION TO GEOGRAPHY.

Containing

A DESCRIPTION OF THE GROUNDS, AND GENERALL

PART THEREOF,

Very necessary for young students in that science.

WRITTEN BY THAT LEAR NED MAN, Mr WILLIAM PEMBLE, Master of Arts, of Magdalen Hall in Oxford.



LONDON,

Printed by M. Flesber, for Edward Forrest, and are sold by R. Royston, in Ivy lane, at the signe of the Angell.

M DC XXXV.

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W Windian Penner, Mafter of June 18 to 18



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M DC XXXV.



To the Reader.

Entle Reader; I here present unto thy view these few sheets, written by that learned man M¹ VV illiam Pemble, I doubt not to call him the father, the child favours him so much. It hath long

layn hid from thy sight, but now at length emboldned upon thy curteous acceptance of his former labours, it lookes abroad into the world: It's but little, let not that detract any thing from it, there may lye much, though pent up in a narrow roome; when thou readest, then judge of it; Thus much may be said: Though many have writ of this subject, yet this inferiour to none, thou may'st observe in it an admirable mixture of Art and delight, so that for younger Students it may be their Introduction, for others a Remembrancer, for any not unworthy the perusall: onely, let it sinde kinde entertainment, at thy hands. Farewell.



To the Reader. .

Lands Reader of these professions thy vision the second man Mr VV illiams Pemble.

Lands not so call him the faster the child favours I im some is that Hong

tion on some stop to be now at levels embeldeed some the careepes acceptance of his farmer laboure, it solves and the some laboure, it solves and the solves and the solves are being from it, there may be much, then the solves and the solves are solves as the solves and the solves are solves and the solves are solves and the solves and the solves are solves are solves and the solves are solves are



BRIEFE INTRODVCTION TO GEOGRAPHIE.

A generall description and division of Geographie.

OPOGRAPHIE is a particular description of some finall quantity of Land, fuch as Land measurers fett out in their plots.

Chorographie is a particular description of some Country, as of England, France, or any shire or Province in them: as in the usuall and ordinary mappe. Geographie is an art or science teaching us the ge-

nerall description of the whole earth, of this especially wee are now to speake of, and also Chorography as a part under it conteined: both, excellent parts of knowledge in themselves, and affoording much profit and helpe in the understanding of history and other things. The parts of Geo-

Generall, which treateth of the nature, qualities, measure, with other generall properties of the earth.

Speciall, wherein the severall countryes and coasts of the earth are divided and described.

Of the generall in the first place, and more at large then of the other, because it is more difficult, and hard to be understood, and yet of necessary use, for the understanding of the other. This generall tract may be parted into five particular heads.

- I Of the properties and affections of the earth,
- 2 Of the parts of it in generall. 3 Of the Circles of it.
- 4 Of the distinction and division of it according to some generall conditions and qualities of it.
- 5 Of the measuring of it.

These in their order.

but one and not all, as the Holl Octobody is f Of certaine generall properties of the earth.

N Geography when wee name the earth wee meane not the earth taken feverally by it felfe, without the fear and waters. But under one name both are

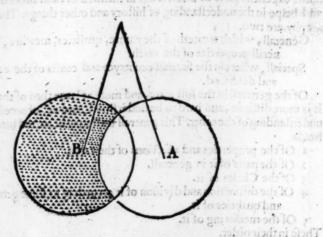
comprised, as they are now mingled one with another and doe both together make up one entire and round body. Neither doe wee dive into the bowels of the earth, and enter into confideration of the naturall qualities, which are in of the carch, and enter into confideration of the naturall qualities, which are in the fibilization of Barth and water, as coldnes, drinefle, moisture, heavines, and the liker one weelooke onely upon the out fide, contemplating the greatefle, scituation, distances, measuring, and other such affections which appears in the matter, and other such affections which appears in the superficies of it, to the eyes of our bodies and mindes: These then of the earth and water together, rules are to be knowne.

. The earth and the water doe make one globe, i. e, one round or sphericall body.

The natural place of the water is to be above the earth, and so it was in the first creation of it, compassing the earth round about, as appeares Genes. 1. 9. But for the use of man and all other living creatures, God made a separation of them causing the water to sinke downs into hige hollow channells, prepared to receive is, that so the drie land might appeare above it. Notwithstanding which separation, they do both still remaine together, not covering one another as at first, but intermingled one with another, and that soe exactly as they now make but one round body, whereas at first they made two. Here therefore are two points to be proved, 1. That they are one globe. 2. That this one is round.

They are one globe having the same Center or middle pointe, and the fame surface or convexe superficies; which will appeare by these reasons.

Common experience. Take a lumpe of earth and any quantity of water, and let them both fall downe together upon the earth from some high place, wee fee that in the descent they doe not sever, but keep still together in one streight line, which could not be, if the earth and water were two severall round bodies having severall centers. As for example suppose them to beetwo globes and let (a) bee the Center of the earth and (b) the center of the water; from (c) fome high place above the earth hurle downe earth and water, I fay the earth will part from the water in going downe and the earth will fall downe upon (d) and the water upon (e) but this is contrary to experience and erge the imppofition is falle.



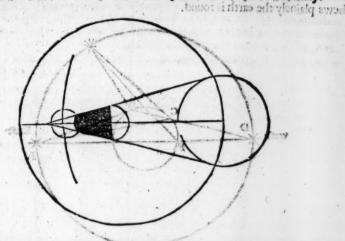
· eliciono:

2 The shadow which in Eclipses is cast upon the Moone by the earth and the water, is but one and not two, and therefore the body is so likewise. This will appeare in the prescript of the nest point, v. 2.

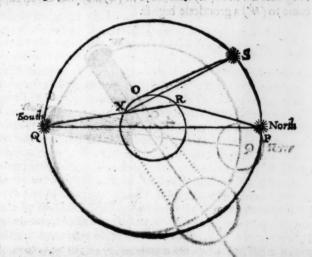
2 That both earth and water are one round body, not fquare, long, bollow, or of

his figure. This is present by diverge reasons. Detweene the Sunne and the

Moone, then doth the shadow of the earth falling upon the Moone darken in wholly or in part. Now as is the fashion of the shadow, such is the figure of the body, whence it falls, but the shaddow of the earth and water cast upon the Moone is round, and also one, therefore they are round and also one body.

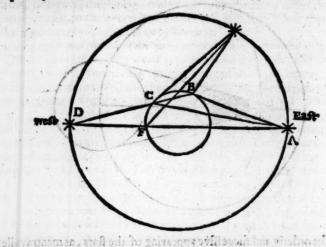


2 By the orderly and successive appearing of the stars, as mentravaile from North to South, or from South to North, by sea or land. For as they goe by degrees, they discover new stars, which they saw not before, and lose the sight of them they did, which could not be if the earth were not round. As for example, let (X.O.R.) the inward Circle be the earth, (Q.S. P.) the outward, the Heaven: they cannot see the starre (S) which dwell upon the earth in (X) but if they goe Northward unto (O) they may see it. If they goe farther to (R) they may see the starre (P) but then they lose the sight of the starre (Q.) which being at (X) and (O) they might have seene. Because, as it appeares in the sigure the earth riseth up round betweene (R) and (X.)



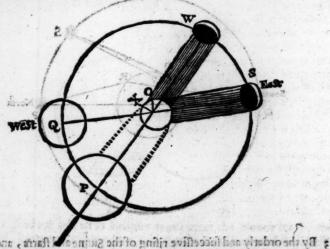
3 By the orderly and successive rising of the Sanne and start, and setting of the same. Which appears not at the same time to all countries, but unto one after another. As for example, let (F.C.B.) be the Circle of the earth, (D.A.A.) the Circle of the heaven from East to Well, let (A) bee the Summe or a state. When the Summe (A) is up, and shines upon them that dwell in (B) her is use

risen to them that dwell in (C) agains when he is risen higher and is come to (E) and so shines upon those that dwell in (C) here is not yet up to them that dwell in (F). Agains when he setts in the West, in (D) and so some of sight to the substants in (B) he is yet up to them that dwell in (C) and (F). Which shows plainely the earth is round.



4 By the different observations of Eclipses. One and the same Eclipse appearing sooner to the Easterly Nations then those that lye farther West; which is caused by the bulke of the earth swelling up betweene. As for example.

Let (X, O) be the Circle of the earth', and the greater the Circle of the heaven from East to West. Let (P, Q) bee the body of the Sunne, (W, S) of the Moone in the eclipse by reason of the earth betweene it and the Sunne. It is manifest that the inhabitants in (O) shall see the Eclipse before the inhabitants in (X) by certaine hostres, according as the distance betweene (X) and (O) is more or lesse. They that dwell in (O) shall see it in (X) they that dwell in (X) see it not till it come to (W) a greatdeale higher.



That the water is round besides the natural weight and mollure of his which being apt to yeeld and not abroad, will not suffer some places to the high, and some low, like hills, and dales, but though it be made rough and uneven by sampest, doth presently returne to their naturals smoothnesse and

evappede: I fay belides this: it is cleare by common experience; for if wee fand on the land, and free thip goe forth to fee, by degrees twee lofe the light of it, furth of the bulke, then of the mast, and all. So also on the other side they that are it fee by degrees due lose or gaine the light of the Land: As for ex-

ample.

[Lat [A] her fome freezile upon the land (B) a fhip at fea: He that france at (A) shall by inticand little lose the fight of the ship, as shee goes out, and get sight of her as thee comes in. Both first and last her shall have the sight of the top mast (B) when her sees nothing ells. Because the sea rife th up herweene his sight and the ship.



These reasons and experiments may suffice to prove the roundnesse of the earth & water; which might be farther demonstrated by shewing the falshood of all other figures regular or irregular that can be given unto it ; that it is neither square, nor three-cornerd, nor Pyramidall, nor conical or Taperwise, nor Cylindricall like a barley rowle, nor hollow like a dish, nor of any other fashion, as some have imagined it to be of. Wee come to this second rule.

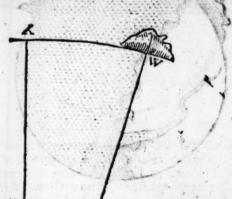
2. The tops of the highest hills, and bottoms of the lowest values although in se-

verall places they make the earth uneven, yet being compared to the vast greatnessa

of the whole, doe not at all hinder the roundnesse of it.

Among all Geometricall figures the sphericall or the round is the most perfect, and amongst all naturall bodies the heaven is the most excellent. It was therefore good reason the most beautifull body should have the most perfect and exquisite shape. Exact roundnesse then is not found in any body, but the Heavens; the earth is round as was showed before, but not precisely, without all roughnes and inequality of its surface. There are hills like warts and vallies like wrinkels in a mans body; and that both for ornament and use. Yet is there fuch uniformity in this varietie, as that there is no notable and fensible inaquafuch uniformity in this varietie, as that there is no notable and fensible inæquality made in the earth by hills and vallies. No more then if you should lay a sly upon a smooth Cartwheele, or a pinnes head upon a great globe. Now that this is so, appeares by Sense and Reason. By Sense thus, It wee stand on a hill or in a plaine, when wee may discribe the country round about 15. or 20. miles; we may behold the brim or edge of the earth round about 15. or 20. miles; we may behold the brim or edge of the earth round about 15. or 20. miles; we may behold the brim or edge of the earth round about 15. or 20. miles; we may behold the brim or edge of the earth round about 15. or 20. miles; we may behold the brim or edge of the earth round about 15. or 20. miles; we may behold the brim or edge of the earth round about 15. or 20. miles; we may behold the cauntries when wee behold all together a same off: shough when wee some neare, the alteration seques more senters a same off: shough when wee some neare, the alteration seques more senters as same off: shough when wee some neare, the alteration seques more senters (as shall be showed) shout

above a mile and a halfe, or two miles at the most. Now betweene two miles and foure thousand, there is no sensible proportion, and a line that is foure thousand and two miles long, will not seeme feasibly longer than that which is foure thousand; as for example, Let (0) bee the center of the earth, (XY) a part of the circle of the earth which runneth by the bottoms of the hills and superficies of champion and even plaines (WO) or (XO) is the femidiamiter or halfe the depth of the earth, (S) is a hill rising up above that plaine of the earth, (WS) is the plumb height of the hill. I say that (WS) doth not sensibly after the length of the line (OW;) for (WS) is but two miles. (WO) 4000 miles, and two to 4000 alters not much more, then the breadth of a pinne to the length of a pearch. So a line drawne from (0) the center to (S) the top of the hill, is in a manner all one with a line drawne to (W) she bottome of the hill.



Theferencing and vapoliments may fit di evora es s roundingle of the couch as was an which to have be further deal aftraced by i boodile singuists of all or her thinges require or acceptar that ca menyig ad innal ii fofte ti at they square, the three-corners, not Prismids lor Tanenvile, nor street comic if a barley now is, nor bollow like Loubart D of any other fallsion, as found have imagined it to be of. Wee to son beco

a. The ross of the highest lasts, and bestones of the terrest willies although in tercerall places they make the earth government to being demper onto the wast greatness, of the whole, the not at all hind, with round collected it.

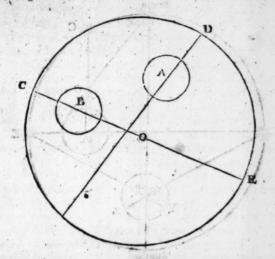
Among all Connervicul dance the phasical o ad is the most perfeet, and appoint all named bedresthe bearen is t excellent. It was therefore good reafon the molt beautiful hody th verhe maft peried and exquill a flage. Frack considering is not for any body, but the 1 ban according, without all reaching and maratality if his higher. There are ha colliev thes amongs like wrinkels in a many healy; and that both for or pany ndule. Votisihere (ach unito mity in this varietie, as that there is no noted ad featible ingen lity made in the earth by hill and valides. No more then you thould lay a fly upona funccia Carrellecte, or a pinces less lupon a great obe. Now that this is to, appeares by Sente and Reafon. By Sente thus, if wee land on a hill or in a plaine, when wee may didrie the country round about ich or se, miles; we may behold the brim or edge of the careh round about us to be in a manner even and fireight, even there, where claim brids addry hilly, and full of mountaines.

Two points are here to be demonstrated. First that the earth standard exactly in the midst of the World. Secondly that is is immoveable. The former is proved by these reasons.

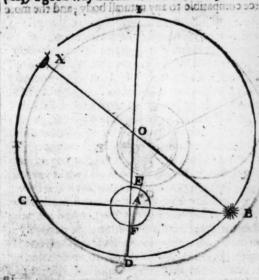
1. The naturall heavinesse of the earth and water is such, as they will never cease moving downewards till they come to the lowest place; Now the tenter or middle point of the world is the lowest place, and ergo they must need move this bear, as fits example.

thicker, as for example.

Let (O) be the center of the world, (CD E) the heavens it is manifest that the lowest place from the heavens on all sides is (O.) Suppose the earth to be in (A) or in (B) some where out of the center, I say it is not possible (unlesse it be violently held up) that it should abide there, but it will descend till it come to (O) the middle point.

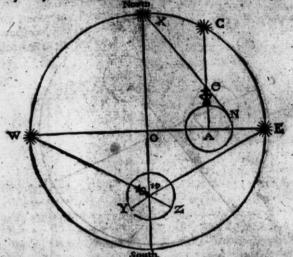


heavens above as, as now we calway doc, neither we should not see half the heavens above as, as now we calway doc, neither could there be any Equinox, neither would the dayes and nights lengthen and shorten in that due order and proportion in all places of the World as now they doe; against Eslipses would neverful out but in one part of this heavens, yet the sume and Moone might bee directly opposite one to another and yet no Eslipse follow; all which are absurd As for example, let the center of the World be (O) let the earth stand in (My) a good way distant from the couter, it is manifest, that the greater halfe



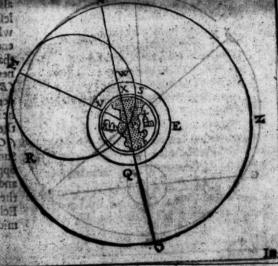
of the heavens (C 1 B) will alwayes be above, and the leffer halfe (C D B) below, which is contrary to experience. Thence allo it followes that the dayes de nights will never be equall, for the Sun (B) will be alwayes for ger above the earth whilh he moves from (B) to (C) then below, moving from (C) to (B.) Againe, the Sunne (B) may stand just opposite to the Moone (B) and yet no Belipse follow, the earth which makes the Eclipse, standing out of the mids.

If the fluidowes of all bodies on the earth would not fill in that orderly uniformity as they now doe; for if the earth flood towards the East, the shadowes would be shortest before mon, froward the west after noon, it cowards the North, the shadowes would still fall Northward; if rowards the South, Southwards, alliwhich experience shows to be false. As for example, let the earth stand Eastwards in (A) the shadow of any body upon the earth, as of the body under (E) will be shorter in the morning when the Sume is in (C,) then at noone when the Sume is in (A). If the earth shad Southward in (W) the shadow of any body will alwayer fall South, as it doth in the figure (T) & (Z.)



The fecond abing to be proved man that the nairh is immortable. Where we must understand a double motion, Streight, or Circhiar. For the first it is cleare that without supernanually violence it cannot be moved in any streight motion; that is, upward, downward, or covered any side; it cannot be shoved out of his place. For the Second, whether abiding stillan his place it may not move round, the question is disputed; and maintained for both sides. Some affirme it may and doth; who thinks there is greater probabilities the earth should mouve round once a day, then that the Heavens should by reason of the incredible swiftnesse likely the providence of the heavens motion, scarce compatible to any naturall body; and the more

earths moving Others and denyity rounding their and working opinion upon Scripe and the earth to fland fail, and fo as it cannot be moved; and upon Scrie. The beautie we perceive it is upon reasons drawn of from thingshirted upon and the moved. orn thingshurled used let fall upon t



The this figure it is manifelt; that the earth in the middelt, cannot move by any streight motion, upward toward (N) or sideward toward (M) or any other way out of its proper place, and therefore that opinion of Copernicus and others, that the earth should move round once a yeere in such a Circle as (MPR) is

Bur although ir camor move fiseight; it may move round. For though it bee a marveilous great body of unconceaveable weight, yet being equally poised on every fide, there is nothing can hinder its circular motion: As in a Globe of Lead. or any other heavy substance, though it were 40 Fadome in compasse, yet being fer apon his two Poles it would easily be turned found even with a touch of ones little finger. And therefore it is concluded that this circular motion is not impossible. The probabilitie of it is thus made plaine. The whole circuit of the heavens wherein are the fixed flarrais reckoned by Aftranomers to be 1017562500 that is, a Thousand and seventeene Millions of miles, five hundred fixty two thousand, and five hundred miles. Let this bee the compasse of the Circle (NWOZ) So many miles do the heavens move in one day, till the same point come to the place from whence it went; as till (N) moveround & come to (N) againe. This being the motion of the whole day 24. hours ; how many miles will (N) move in one houres it will move 42 29 8427 and a halfe. i.e. Porty two Millions three hundred minty eight thousand, foure hundred thirty feven miles and an halfe. So many miles will (N) move in one houre, from (N) to (M.) A motion fo fwift that it is utterly incredible. Farre more likely it is, the electric of the earth (ASXV) being about 24000 i.e. twenty foure thousand miles more or lesse; it should move round once a day. For then one points as (X)Should move in one houre from (X) to (V) but a thouland miles, which motion although it be swifter then any arrow or bullet from a Canons mouth, yet is it incomparably flower then that of the heavens, where fo many Millions are polled over in an houre!

Now for the falling of all the celeftiall Phanomena, or appearances, the truth is the fame, if wee suppose the earth to move, as if wee believe it to stand still. The rising of the Sunne and Starres, the motions of all the Planets, will keepe Correspondence that now. Nor neede wee feare Jogging, or that steeples and sowers would totted downe, for the motion is regular, and steady without rubbes, and knocks. As if you turned globeabout, it will goe steadily, and a sly will set fast upon it, though you move it apace. Besides the whole body the ayre is carried about with the whirling of the earth, so that the earth will make noe winde, as it turnes swiftly about; as a wheele will, if it be turned

Notwithstanding all this, most are of another opinion, that the earth standarh still without all motion, rest rather besitting so heavy and dull a body then motion. The maine reason brought to establish it is this. Let a stone be thrown downe out of the ayre from (W:) if the earth stand still, it is manifest it will fall upon (X) just under it; as wee see it doth. By common experience, a stone will fall downe from any height upon the place wee aimed at, but let the earth move, the stone will not light upon (X,) but some where else as on (S:) for (X) will be moved away, and gone to (V.)

So againe let two peices of ordinance that will shoote at equal distance be discharged one just towards the East, the other towards the West; if the earth move (as they say it doth) towards the West, the bullet that is discharged Eastward will say farther then that Westward. For by the contrary motion of the earth he will gaine ground. But experience hath proved this to be false, shewing that the bullets, will both say at equal distance.

To faine this, answere is made that the carth by its swift motion carries with it and that steadily not onely all bodies resting or moving upon it, but also the whole Sphere of Aire (WEQ) with all things whatsoever that are moved in it naturally or violently, as clouds, birds, stones hurled up or downe, arrows,

bullets, and fuch like things violently short forth; as may appeare in the figure. The fourth rule.

4 The earth, though it be of exceeding great quantity being confidered in it felfe, yet being compared to the heavens, especially the higher spheres, is of noe notable bignes, but may be accounted as a point or pricke in the middest of

That the earth is noe bigger then a point or pinnes head in comparison of the

highest heavens will easily appeare unto us, by these reasons.

1 The stars which are many times bigger then the earth, seeme yet to us to be no bigger then a great pinns head, or such like quantity; therefore much lesse shall the earth appeare to be of any sensible magnitude.

2 Wee alwayes beholde halfe the heavens above us, which could not bee if

the earth had any sensible proportion to the heaven.

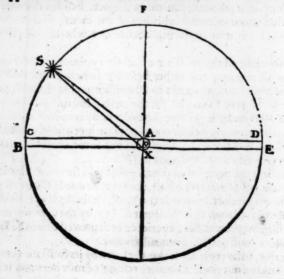
3 All observations of hights and distances of the coalestial bodies, which are made on the superficies of the earth, are as exact, and true, as if they were made in the very center of the earth. Which were impossible, unlesse the thick-

nesse of the earth were insensible in regard of the Heavens.

4 All Sunne Dialls which stand on the superficies of the earth, doe as truely east the shaddowes of the houres, as if they stood in the Center. As for

example.

The starre (S) appeares like a point or pricke to them that dwell in (A) wherefore the earth (OX) will appeare much leffe to the fight of him that should behold it from (S,) nay it would not bee seene at all. Againe, halfe the Heavens (BF E) are alwayes seene to them that dwell in (A) wanting some two minutes, betweene (ED) and (BC) which difference is altogether infentible. Again, if we observe the hight of the starte (S) above the Horizon (BE) it will be all one namely (BS) whether wee observe it in the top of the earth, in (A) or in the middle in (O.) For, (A) and (O,) are so little distant one from another, that (AS,) and (OS) will be parallel lines, and be esteemed but as one line. The fourth reason concerning Dialls, is cleare by the framing & construction of them: wherein either the lower end of the Cocke (or Gnomon) whereat all the houre lines meet, or the upper end and knobb (as in many Dialls) is supposed to be the Center of the earth.



CHAP. III. Of the parts of the Terrestrial Globe.

He properties of the earthly Globe have beene handled in the former chapter wee come now to the parts, which are two in generall.

Both containe under them more particular parts to bee SEarth ?

Water (knowne.

The more notable parts of the Earth are thefe.

I A Continent or maine Land, or as some called it firme Land, which is not parted by the fea running betweene.

2 An lland, a land compassed about with waters.

- A Peninfula, a land almost furrounded by waters fave at one place, where it joynes by a narrow necke of land to the Continent; this is also called Cherfonefus.
- 4 An Ishmus,a Rreight necke of land which joynes two countreis together, and keeps the fea from compassing the one.

5 A Promontorie or head land running farre out into the sea like a wedge.

6 A Mountaine

7 A Valley 8 A Champion plain All easie to bee knowne without any definition.

9 A Wood The more notable parts of the Water are these

Mare the Sea, or Ocean, which is the gathering together of all waters.

Pretum a streight or narrow sea running betweene two lands.

3. Simus a Creeke, Gulfe or Bay, when the fea runnes up into the bofome of the land by a narrow entrance but openeth it broader when it is within ; if it be very little it is called a Haven , Portus,

Lacus a Lake, a little fea within the land having rivers running into it, of out of it, or both. If it hath neither it is called Sugnum a standing Poole, also di li li de al il be on ad

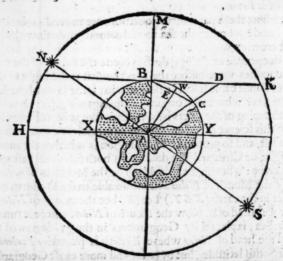
Ralm; a fenne.

Flavius a River, which from the pleasantnesse is also called Amnie; from

the smalnesse of it Rivus.

Now concerning these pares divers questions are moved; whether there be more Sea or Land? whether the fea would naturally overflow the land, as it did in the first creation, were it not withheld within his banks by divine power? whether the deepenefie of the Sea, doth exceede the height of the mountains? whether mountaines were before the flood? what is the hight of the highest hills? whether Ilands came fince the flood? what is the cause of the Ebbing and flowing of the Sea? what is the originall of springs and Rivers? what manner of motion the running of the rivers is? with flich like, whereof some belong not so properly to this science of Geography as to others. We speake onely a word or two of the last, and so proceed. The question is whether the motion of the rivers be streight, or Circular. The doubts on both sides will best appeare by a figure first drawne: wherein, Let (HMO) be the Meridian of Alexandria in Ægype, or of the Mouth of Nilm and answerable to the Meridian of the Heavens. Another in the earth (XBY). Let (B) bee the mouth of Nilus, and (C)the fountaine and head of it. Now the mouth of Nilus, where it runns into the Mediterranian Sea, is placed by Geographers in the 31. degree of the North latitude; and the head of Nilus where it riseth is placed by Ptolomeus in 11. degree of the South latitude, but by latter and more exact Geographers in the 14 degree of the Southern latitude, to that the distance betweene the founts and office, i.e. between (C) and (B) is 45. degrees of a great Circle, which after the usual account makes 2700, one eight part of the earths company. The question now is, whether the running from (O) to (B) runne continuedly downward in a streight line; in circularly in a crooked line. If it runne

in a streight line, as is most agreeable to the nature of the water, it must move either by the line (CEB) or by the line (DB.) By the line (CEB) it cannot move : for when it is come to (E,) it will fland fill. Because from (E) to (B) it must move upward, if it move at all, which is contrary to the nature of water. If therefore it move by a streight line it can be no other, but (BD,) and so from (D) to (B) it shall continually descend; for of all places betweene (D,) & (B) (B) is the nearest to (A.) But then the sountaine must not be in (B) but higher in (D) which seemes altogether improbable or impossible. For first the line (AD) would be notably and sensibly longer then the line (AB.) For the compane of the earth being about 24000. Miles, and the semidiameter (AB,) or (AC) 3828. miles, the line (CD,) would bee 1581. miles, which cannot be true, if, as we have proved before, the earth be round, and that the highest hills make no sensible inequality. Againe they that dwell in (D) should see the North Pole starr (N) as well as they that dwell in (B,) which also is false. So then the river cannot runne either by (EB) or (DB)Runnes it then circularly by the line (CWB?) This feemes probable, and the rather because hereby a reason of the original of Rivers might more easily bee given. For the fountaine (C) lying even with the superficies of the Sea, the water may easily passe through the hollowes of the earth, and breake out at (C) without ascending. But here also are some difficulties: for first wee find by experience that the fountaines of most rivers, and those great ones too, lie sensibly higher then the plaine surface of the Sea. Againe, if the river move directly round, what should bee the cause that begins and continues this motion? It is a motion besides the nature of the water, and therefore violent, what Should drive it forward from the Sea to (C,) and from (C) to (B?) When the water is at (C,) or (W,) it is as neere to the Center (A) as when it is at (B,) and therefore it should seeme with more likelihood it would stand still; for why would it strive to goe further, seeing where it is, it is as neare to the Center as whither it runnes. Or if some violence doe drive it from (C,) towards (W) yet (as it is the nature of violent motions) the further it goes the flower it will run, till in the end it stand still, if there be no advantage of ground to helpe it forward,

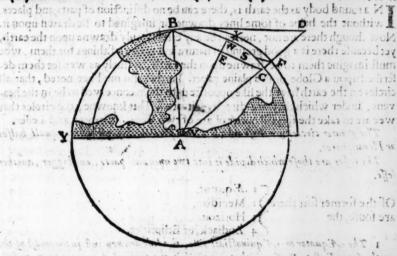


As a bowle throwne downe a hill runnes easily and farre if it once bee fet a going; but throwne upon the ice (an even place) it will without any let at last stand still. Answere may be made hereunto, that although there be no advantage of the ground, yet the water will still move forward from (C) to (B) because the water that followes, pusheth forward that that runnes afore. Which

are fourt, the

answere will stand, when a good cause may be shewed, which forcibly driverh the water from the Sea unto (C) and out of the fountaine (C) confidering that of after this supposition) they lie both in the same circular superficies. Wherefore seeing, we cannot without any inconveniency suppose it to move by any of these lines either streight as (BC) or (BD,) or circular as (BEC)

let as enquire farther. The motion of the water is must neither di-The most likely opinion is, that the motion of the water is mixt, neither all rectly streight, or circular, but partly one, partly the other. Or if it be circular, it is in a circle whole center is a little distant from the Center of the whole globe. Let us place from them peither in (C) nor (D) but in (F) I say the water names either partly streight by the (F,S) and partly circular, from (S) to (B) which motion will not be inconvenient. For the water descending continually from (F) to (S) will cause it still to range forward; or else wholly circular in the circle (F,X,B). And this is most agreeable to truth. For so it shall both runne round as it must doe if wee will escape the otherwise unavoidable inconveniences of the first opinion, and yet in running still descend, and come neerer to the Center, as is most benering the nature of water, so that wee need not feeke for any violent cause that moves it. Let us then see what is the height of (F) the fountaines of Nilm, above (C) that is (B) the mouth or out-let of it



into the Sea. The usuall allowance in watercourses is one foot in descent for 200, foot in running, but if this be thought too much because water will runne away upon any inequality of ground, for every 500, foot allow one for descent, and so much we may with reason, in regard of the swiftnesse of many rivers, year the most, which in many places runnes headlong, in all places very swiftly (elpecially Nilm whose cateracts or downefalls are notable) which cannot bee without some notable declivity of the ground. Thus then the whole course of Nilm being 2700. miles from (F) to (B) the perpendicular or plumb descent of it (CF) will bee 5, miles. And so high shall the fountaine stand above the mouth, and the surface of the plaine Land (for tivers commonly arise at soot of hills) which is (BXF) swell up above the surface of the Sea (BXC) or (BY) which height of the Land above the Sea although it be greater then in th height of the highest mountaines above the plaine Land, yet it is nothing in comparison of the whole Earth. And this being granted (as with most probability of reason it may) it will appeare that God in the beginning of the world imposed no perpetuall violence upon nature, in gathering together, the waters into one place, and being so gathered, in keeping them from running backeto cover the earth. At the first so soone as those bollow channels, were B 2

prepared the water did naturally flide downe into them, and out of them seithout midule as power they cannot returne. For if the Sea (BT) flight downers in the sea (BT) flight downers the sea (BT) flight downers the sea (BT) flight downers the sea (BT) flight the middle downers whence the sea of seath the sea of the s

enter, as is mount for injugate at the said, to that weeneed, a violent edition of the said and a said of the what is the height saides of the wouth or out-let of it

In a round body as the earth is, there can be no distinction of parts, and places, without the helpe of some lines drawno or imagined to be drawn upon it. Now though there are not, nor can be any circles truly drawne upon the earth, yet because there is a good ground in nature and reason of things for them, wee must imagine them to be drawne upon the earth, as truely as wee see them described upon a Globe or in a plaine paper. Further this must bee noted, that all circles on the earth have the like opposite unto them conceaved to be in the heavens, under which they are directly setuated. This knowne, the circles that wee are to take the special notice of are of two forts. Greater and Lesser.

wee are to take the speciall notice of are of two sorts. Greater and Lesser.

The greater circles are shafe which divide shis earthly globe into equall halfes or Hemispheres.

The leffer are those which divide it into two unequall parts, one bigger, another leffe.

Of the former fort there 2 Meridian, are foure, the Horizon.

The Equator or A quinoclialt time, is a fine drawen just in the midst of the earth, from East to West, which compasses it as a girdle doth a mans body, and divided it into two equals parts, one on the North sade, the other on the South. The level politis in the earth that at every way furthest distant from it North, and South, are called the Poles of the earth which doe directly stand under the two like points in the Heaven, so called because the Heaven turites about upon them, at the Earth does in a Globe that is set in a frame. This circle is of the first and principall note and use in Geography, because all inexturings for distances of places and quarters of the earth are reckoned in it, or from it. It is called the Equinocital because when the Sume in the Heavens comes to be directly over that circle in the earth, the dayes and nights are of equal length in all parts of the world. Mittings call it by a kind of excellency, The time. You the Globe it is easily discerned being drawen bigger then any other circles from East to west, and with small divisions.

The Meridian, is a time that is drawner anter crofferio Equinoction, and paper through the Poter of the Earth, going directly North that South. It is easiled the Neridian, because when the Sunne stands just over that circle, it is when the first of the Neridian, because when the Sunne stands just over that circle, it is when the first of the Neridian that the first owner than the first owner that the firs

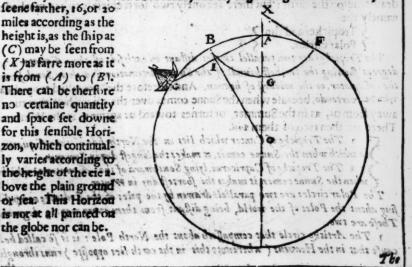
your head through the body of the Sunne downe to the South and fo round vnder the earth up agains to the North Pole. Another upon the furface of the earth pailing through your feet just under the Sunne, and so compatting the earth found till it meet at your feet againe, and thele are Meridians answering one to another. Now the Meridian is not one onely, as was the Aquinoctiall, but many fell warying according to the place wherein you are, as for example : At Londo there is one Meridian, at Oxford another, at Brifton another, and lo along Estward or Westivard. For it is moone at London fooner then at Oxford, and at Order from the at Brifow. Violethe Globe there are many drawen; all which palle through the Poles, and goe North and South, but there is one arore remarkeable then the reft, drawen broad with finall divisions, which runneth through the Canary Hands, or through the Ilands of Azores Westward of Spaline; which is counted the first Meridian in regard of reckoning and measuring of distances of places one from another; for otherwise there is neither first nor last in the round earth. But some place must bee appointed where to begin the account: and those Ilands have beene thought fittest, because no part of the World that lay Westward wis knowen to the fincients further then that: and as they beganne to reckon there, wee follow them. This circuit is called in Greeke Msomiler in

3 The Horizon is twofold Sensible or appearing.

The Sensible or appearing Horizon is the space of the earth so farre as in the open plane, or upon some Hill a man may see round about him. The brinn or edge of the earth further then which you cannot see, that is the Horizon, or as some callie, the Finiter, because finit or terminat vifum, it sets the limits or bounds to your fight, beyond which nothing can be feene upon the earth. This is greater or leffer, according as the height of the eye above the plaine superficies of the earth, is more or leffe. The most exact triall hereof is at Sea, where there are no mountaines nor any unequall rifings of the water to hinder the fight, as there are at land. For example let (CBAF) be the superficies of the Sea, and let a mans eye be placed in (X) about the Sea; as the eye stands higher or lower so will the distance seene be more or lesse, as if the height of (X A) bee 6 foot which is ordinary the height of a man, the eye looking from (X) to (B) shall fee a miles and 3 quarters, if (1) be 20 foor high (BA) will be five miles, if 40 foor 7 miles, it 50 foor 8 miles. So that from the malt of a flaip 50 foor high, a man may fee round about at fea 8 miles every way, toward (BG) and (F.) So farre may the water it felfe bee feene, but any high thing on the water may bee

See unight of Navigation

feene farther, 16,07 20 miles according as the height is, as the ship at (C) may be feen from (X) as farre more as it is from (A) to (B). There can be therfore no certaine quantity and space fet downe for this sensible Horizon, which continually varies according to the height of the cie above the plain ground is nor at all painted ou



The intelligible or true Herizon is a line which pirts the earth round in the midft, and divides it into two equals parts or Hemispheres, the appearant, upon the sepand middle point wherein we dwell, and that which is under us. Opposite to this in the Heavens is another Horizon, which likewise cuts the Heaven into two Hemispheres, the upper and the lower. Above which circle when any starte or the Same is moved, it then riseth unto us, and setteth unto those that dwell apposite on the contrary. You may contain the state of the setter. fire unto us, and fo on the contrary. You may conceive it belt thus, if flan upon a hill, or some open place, where you may perfectly see the setting of the Sunne, you marke when the Sunne is haltegeneout of your sight, you may perfectly set the body of the Sunne cut in two, as it were by a line, going along through a, the halfe above it yet seems; that understath is gone out of your sight. This line is but a peece of the Horizon, which if you conceive to be drawen upward about the World from the West to the North, and so by East and South, to West againe, you have the whole Horizon described.

This circle is not drawen upon the body of the globe, because it is variable; but stands on the outside of it being a broad circle of wood govered with paper on which are set the moneths and dayes of the years, both in the old and new Calender, and also the 12. signes, and the points of the Compasse. All which are easily discerned by the beholding. The use of this Horizon is not so much

in Geographie as in Aftrenomy.

The Zodiake is a circle which compasses the earth like a belt, erossing the Equator sopemise, not freight as the Meridians doe. Opposite to it in the Heavens is another circle of the same name, wherein are the 12. fignes, and in which the Sunne keepes his owne proper course all the yeare long, neuer declining from it on the one side or other. The use hereof in Geography is but little, onely to thew what people they are over whose heads the Sunne comes to bee once or twice a yeare; who are all those that dwell within \$3. degrees of the Aguators for fo much is the declination, or floping of the Zodiake. This circle is also called the Eclipticke line, because when the Sunne and Moone stand both in this circle opposite each to other, then there happens an Eclipse of the Sunne or Moone, upon a globe it is easily discerned, by the sloping of it from the Acquator, and the divisions of it into 12. parts, and every of those 14. into 30. degrees.

These are the greater circles: the lesser follow; which are all of one nature, and a scalled by one generall name: sc. Parallels, because they are so drawen on each fide of the Lanator, as they are equidifiant unto it every way. Many of this kinde are drawen upon the globe (as is easie to be seene) and may be conceived to be drawen upon the earth; but there are onely two sorts chiefely to bee marked:

namely the

Tropickes and the Polar circles.

The Tropickes are two parallel circles distant on each side of the Agnator 13, degrees showing the farthest bounds of the Sunnes declination North or South from the Agnator, or the middest of beaven. And therefore they are called tropicks a roums versendo, because when the Sunne comes over the elines, he either turns away from us, as in the Summer, or turnes toward us againe as in the Winter: There are then two of them vid.

1 The Tropicke of Cancer which lies on the North fide of the Aquator,

to which when the Sunne comes, it makes the longest day in Summer.

2 The Tropicke of Capricorne, lying Southward of the Lounson, to which when the Sunne comes, it makes the shortest day in Minter.

The Polar circles are two parallels drawen by the poles of the Zodiacke compassing about the Poles of the world, being distant from them every may 23 degrees.

These are two

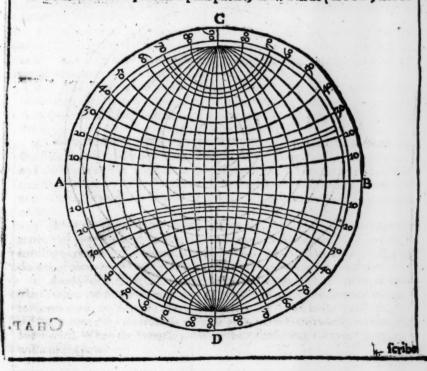
The Article circle that compasseth about the North Pole : it is so called be-

the constellation of the great Beare, which in Greeke is called aprilog

2 The Antarticke circle that compasseth about the South Pole, and is placed opposite unto the former. All these with the former are casily knowne vpon the Globe by these descriptions, and names usually added unto them, But because Maps are of an easter price, and more common use then Globes, it will be needfull to shew how all these circles, which are drawne most naturally upon a round Globe, may also as truely, and profitably for knowledge and use bee described upon a plaine paper. Whereby wee shall understand the reason of those lines which wee see in the usuall Maps of the world, both how they are drawen, and wherefore they ferve. Vnderstand therefore, that in laying downe the globe upon a plaine paper, you must imagine the Globe to bee cut in two halves thorow the midst, and so to bee pressed downe flat to the paper; as if you should take a hollow dish, and with your hand squiezethe bottome downe till it lie flat upon a board, or any other plaine thing: for then will those circles that before were of equall distance, runne closer together towards the midst. After this conceit, univerfall Maps are made of two fashions, according as the globe may be divided two wayes, either cutting quite through by the Meridian from North to South, as if you should cut an apple by the eye and the stalke, or cutting it through the Æquinoctiall, East and West, as one would divide an apple through the midlt, betweene the eye and the stalke. The former makes two faces, or hemispheres, the East and the West hemisphere, The latter makes likewise two hemispheres, the North and the South, Both suppositions are good, and befitting the nature of the globe : for as touching such universall Maps, wherein the world is represented not in two round faces, but all in one square plot, the ground whereupon such descriptions are founded, is lesse naturall and agreeable to the globe, for it supposeth the earth to be like a Cylinder, (or role of bowling-allies;) which imagination, unlesse it be well qualified, is utterly falle, and makes all fuch Maps * faulty in the scituation of places. Wherefore omitting this, wee will thew the description of the two former onely, both which are easie to be done.

I To describe an Equinoctiall planispheare, draw a circle (ACBD) and in-

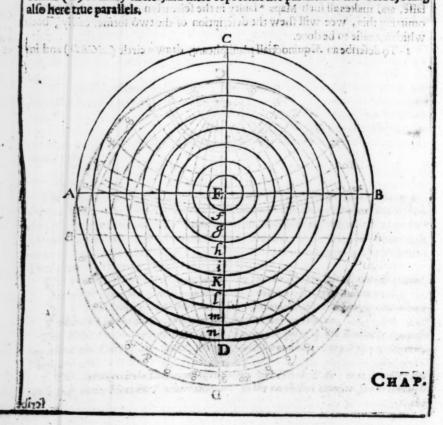
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scribe in it two diameters (AB) and (CD) cutting each other at right angles, and the whole circle into foure quadrants : each whereof divide into 90, parts, or degrees. The line (AB) doth fitly represent halfe of the Equator, as the line (CD) (in which the points (C) and (D) are of the two poles) halfe of the Meridian: for these circles, the eye being in a perpendicular line from the point of concurrence, (as in this projection it is supposed) must needs appeare streight. To draw the other, which will appeare crooked, doe thus. Lay a rule from the Pole (C) to every tenth or fifth degree of the halfe circle (ADB) noting in the Equator (AB) every intersection of it and the rule. The like doe from the point (B) to the semicircle (CAD) noting also the intersections in the Meridian (CD). Then the diameters (CB)&(AB) being drawen out at both ends as farre as may furfice, finding in the line (DC) the center of the renth division from (A) to (C) and from (B) to (C), and of the fift point of intersection noted in the meridian from the Equator towards (C) by a way familiar to Geometricians: connect the three points, and you have the parallel of 10. degrees from the Equator: the like must bee done in drawing the other parallels on either fide the Aquator; as also in drawing the Meridians from centers found in the line (AB) in like maner continued. All which is illustrated by the following diagram.

2 To describe a Polar Planispheare, draw a circle (ACBD) on the center (E) and as before, inscribe in it two diameters (AB) and (BC) curring each other at right angles, and the circle into foure quadrants. Each quadrant being divided into 90. parts, draw from every 5th or 10th of those parts a diameter to the opposite point : these lines all concurring in the center (E) being the Pole, are as fo many Meridians. Next, having cut the halfe of any one of the former diameters into 9 parts, as (ED) in the points (FGHIKLMN) draw on the center (E) fo many circles, and these represent the parallels of the Globe, being

also here true parallels.



CHAP. V. Of divers Distinctions, and Divisions of the Barth.

Ext after the Circles of the Earth, wee may not unfitly handle the feuerall divisions and diffinctions which Geographers make of the parts, and inhabitants of the earth. These are many, but we will briefely runne them over.

The first and most plaine is by the coasts of the Heavens, and rising, and setting of the Sunne, so it is distinguished into the

East , where the Sunne ariseth. Oriens, Orthe aranal.

West : where the Sunne goeth downe. Octidens.

North : betweene both fromwards the Sunneat Noene. Septentrio. South: betweene both towards the Sunnear Noone. Meridies.

These foure are called the chiefe or Cardinall quarters of the world. They with the others betweene them are eafily knowne, but are of more use to Mariners then to us. We may rather take notice of those other names which by Astronomers, Geographers, Divines, and Poets are given unto them. Who fometime call the East the right hand part of the world, sometime the West, sometime the North, and sometime South, the diversity is noted in these verfes,

Ad Boream terra, Sed Cali menfor ad Auftrum. Preco Dei exortum, videt, occasumá, Poeta.

That is, Geographers looke to the North, Astronomers to the South.

Priests turne them to the East, and Poets to the West.

This ferves for understanding of Authors, wherein any mention is made of the right or left part of the world. If for example he be a Poet, he meanes the South by the right hand, the North by the left : because a Poet turnes his face to the West, and so reckons the quarters of heaven and earth.

a The second distinction is by the notable differences of heat and cold, that are observed on the earth, this is the division of the earth by Zones or Girdles, which are parts of the earth, wherein heat and cold doe remarkably increase or decrease. Those Zones are 5.

1 The hot or burning Zone (Zona torrida) which containes all that space of earth, that lieth betweene the two Tropicks, supposed herecofore / but failly as after experience hath shewed) to be inhabitable by reason of heat, the Sun contimially lying over some part of it.

2. 3 The temperate Zones wherein neither heat nor cold is extreame but moderate: these are two, one on the North side of the Equator, betweene the Articke circle, and the Tropieke of Cancer, another on the South fide betweene

the Tropicke of Capricorne, and the Antarticke circle.

The cold or frozen Zones, wherein cold for the most part is greater then the heat, these likewise are two, one in the North, betweene the Articke circle, and the North Pole, another on the South betweene the Antartick circle and the South Pole These of all parts of the earth are worst inhabited, according as extremity of cold is alwayes a greater enemy to mans body, then extremity of heat.

3 The third distinction is by the shadowes, which bodies doe cast upon the earth, just at nooneday; for these doe not alwayes fall one way but diversly according to their diverse scienation upon the earth. Now in respect of the shadower of mens bodies, the inhabitants of the earth are divided into the

I Amphifeij (duelous) whose shadows at noone day fall both waies, fe. to the North when the Sunne is Southward of them, and to the South when the Sunne is Northward, and such are those people that doe dwell in the hot Zone. For the Sunne goes over their heads twice a years, once Northward, another time Southward. When the Sunne is just over their heads they a e called Afey, dealer, without shadow.

2 Heteroseii

2 Heteroscii (impossioi) whose shadowes doe alwaics fall one way, namely alwaies towards the North, as those that dwell in the Northerne temperat Zone, or alwaics to the South, as those that dwell in the Southerne temperat

ple who dwell in the two cold Zones, for as the Sunne never goes downe to them after he is once up, but alwaies round about, to doe their shadowes, in s.

The fourth diftinction is by the feituetion of the Inhabitants of the earth, compared one with anothers who are called either.

I Periaci (mpioner) fuch as dwell round about the earth in one and the fame parallel, as for example under the Tropicke of Cancer? sits

2 Anteci (arrown) fuch as dwell opposite to the former in another parallel of the fame diffance from the diquator. As those under the Tropicke of Capricorne.

3 Antipodes (antimote) who dwell just under us their feet opposite to sours. 5 The fifth diffinction is of the length and breadth of the Earth, and places upon it : these may be considered two wayes. I and angoso

I Absolutely, and so the

Longitude or length of the Earth is its circuit, and Extention from East to West.

Latitude or breadth of it, is the whole circuit and compasse of it from North to South.

the Balt the

2 Comparatively, comparing one places seituation with another, and so the Longitude of a place, is the distance of it from the first Meridian going through the Canary Hands, Eastward. Whereby wee know how farre one place lies Eaft or West from another Latitude of a place, is the distance of it from the Æquator towards the North or South. Whereby weeknow how farre one place lies Northward, or Southward of another.

The longitude must be reckoned by the degrees of the Equator, the latitude iston w

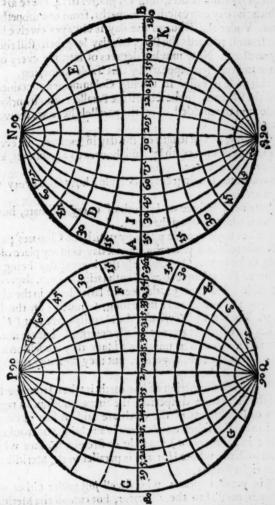
by the degrees of the Meridian.

For example, in these two Hemispheares, the longitude of the whole Earth is from (C) to (A) and (B) in the Equator. The latitude is from (N) to (S), and from (9) to (P) the North and South Poles, and this reckoned in any meridian. The first meridian is (ANRS) which goes by the Canary Ilands, the Equinoctiall is (ABCA). Now I have a City given fc. (D) I would know in what longitude and latitude it is. For the longitude I confider what meridian passeth through it, which is the meridian (NDS) which crosseth the Equino-Aiall in (1) at 15 degrees, wherefore I say that (D) stands Eastward from the first meridian 15 degrees. So I finde that the City (E) is 150 degrees Eastward, (G) 195, and (F) 345.

For the latitude I confider what parallel runnes through (DEG) or (F) and I finde the 30 to passe by (D) 45 by (E) the 15 by (F) the 45 Southward by (G) and those numbers are the latitude of the place, that are distant from the

Equator, (CAB).

Concerning the meanes whereby the longitude of places is found out, there is scarce any thing that hath troubled Mathematicians so much as the observation of it. For because no standing marke can bee taken (the Heavens alwayes running about) it must needs bee difficult. To measure upon the earth, going alwayes under the same parallel, is a way certaine in regard of some few places, but fo troublesome in it selfe, and unprofitable in regard of other places that lie out of that parallel, that it may be accounted a fruitlesse labour. The voyages and accounts of Mariners at Sea, are so full of casualty and uncertainty by rea-son of the doubtfull variation of the Compasse, the unequal violence of winds and tides, the falle making of their fea Cards, by which they faile, and the ignorance of the Masters for the greatest part, as there can hardly bee any affored reckoning



reckoning made by them. The best meanes of observation is by Eclipses of the Sunne and Moone, which in severall Countreys are sooner or later seene, according as one place lies farther Bast; or farther West from another. But this also falls out so seldome, and when it happens, is so seldome observed, and when it is observed, hat he many difficulties in the precise and exact observation of it; that were may well account this inquiry after the longitude of places, to bee one of those things whereof we mult bee content to be ignorant, and rather to geste at in Grosse, then in vaine to strive for exactnesse, which is the cause why the tables of the longitude and latitude of Cities, though they many times agree in the latitude.

the latitude, doe yet for the most part very much differ in the longitude.

6 The fixth distinction is by the length or shortnesse of the day in Summer time in severall quarters of the earth. And this division is by Climats (xilusm) which are severall spaces of the earth contained betweene two parallels, in the which the longest day in Summer exceeds that in another parallel by halfe an houre. There is a great deale of consustion and difference betweene the late and ancient Geographers about the distinction and divers reckonings of the Climats. It is not worth the labour to recount their opinions and Calculations: thus much is plaine, and easie to be knowne; There are 24. Climats in which

Those that dwell under the Pole have not paft 3. or 4. moneths profund as tenebras darke night, for when the Sun is in Libra and Pisces being then night, the Horizon it fends forth to them a glim-mering light not unlike to the twilight or dawning of the day in a morning a lit-Sunnerifing. Munfter.lib. 1 . cap. 5.

the day encreaseth by halfe houres, from 12. houres to 24. There are likewise 6. Climats in which the day encreaseth by moneths, from one moneth to fixe, that is halfe a yeare. Vnder the Equator the day is alwayes twelve houres long, but as you goe from it towards the Pole, the day lengthens still till it comes to a day halfe a yeare long. Now in what degrees of latitude every one of these Climats beginne and end, shall appeare by this Table following.

The use of this table is easie. In the first Columne are contained the names

and number of the Climats. In the second the Parallels which enclose it on each fide, and divide it in the middeft. For the parallels here are drawen by every

halfe houres encreafe.

The third Columne is the length of the day in Summer, in every Climate, which from 12. houres encrealeth by halfe houres to 24. houres, after by moneths, from one moneth to fixe.

The fourth containes the degrees of latitude, how farre every Climate lies from the Equinoctiall.

The fifth containes the space or breadth of every Climate, how many degrees or minutes it takes up upon the Earth.

The fixt containes some notable places by which the Climates passe.

Hereby it is easie to know what the longest day is in any place of the World whose latitude is knowne. Or contrarily the longest day being knowne to know the latitude. For example Oxford hath latitude \$2.0. degrees, longitude 24.0. In the table I find that \$2. degrees of latitude lie in the ninth Climate wherein the day is 16, hours and a halfe long, so much I say the day is at Oxford in the Marrischesses is at \$0. ford in Summer. The place of Oxford in the Hamispheare is at (V.)

Vpon Globes the Climates are not usually described, but are noted out upon the brazen Meridian. So also in universall Maps they are seldome drawne, to avoid confusion of many lines together, but they are many times marked out

on the limbe or edge of the map.

The feventh and last distinction of the earth is taken from the scituation of it in respect of the Heavens, and especially the Sunnes motion. In regard whereof some parts or inhabitants of the earth are said to bee or dwell in a right Spheare, some in a Parallel spheare, and others in an oblique or crooked spheare.

They dwell (in Spheraretta) in a right or streight spheare who dwell just under the Equinoctiall, whose Horizon is parallel to the Meridians, but cuts

the Equator at right Angles.

They dwell in parallel speares, who dwell just under either of the Poles, whose Horizon is parallel to the Equator, but cuts all the Meridians at right Angles: and the latter is sometime called a parallel spheare.

They dwell (in Sphera obliqua) in a crooked spheare, who inhabite any place between the Equino diall and the Pole, whose Horizon cuts the Equator, the parallels, and the Meridians at oblique or unequall Angles.

Of the measuring of the Earth.

E are now come to the last point concerning the measuring of the Earth, which is twofold,

either of the 2 Severall parts thereof, and their diffance one from another.

Concerning the first it is but a needlesse labour to recount the diversity of opinions that have been held from time to time by learned Geographers. What is the compasse and depth of the Earth. This may be seen in Hues de use Globis, part. 3. cap. 2. and in Classics on Sacrobosco with others. They all differ so much one from another, that there is no certainty in trusting any of them. The most common and received opinion is, that the circuit of the earth is 21600. miles,

reckoning 60. miles for every degree, and then the depth or Diameter of the earth shall be 6877 English miles, containing 5000. foot in a mile.

The meanes whereby the circuit and Diameter of the earth are found out are

principally two.

By measuring North or South, under one Meridian some good quantity of ground, threescore or an hundred miles (or two for the more certainty) for in those pery observations of small distances there can bee no certaine working. This may be done, though it be laborious, yet exactly without any sensible error by a skilfull workeman, plotting it out upon his paper, with due heed taken, that hee often rectifie the variation of the needle (by which he travells) upon due observation, and that all notable ascents and descents, with such winding and turning as the necessity of the way causeth, bee reduced to one streight line. By this meanes we shall know how many miles in the Earth answering to a degree in the Heavens, if exact observation by large instruments bee made to find the elevation of the Pole, in the first place where wee begin to measure, and the last where we make an end.

Besides this way of measuring the circumferrence of the Earth, there is none other that hath any certainty of observation in it. That by Eclipses is most vn-certaine, for a little error in a sew minuits of time (which the observers shall not possibly avoid) breeds a sensible and soule error in the distance of the two places of observation. That of Eratosthenes by the Sunne beames, and a shadow of a stile or gnomon set upon the Earth, is as bad as the other. For both the uncertainty of the calculation in so small quantity as the shadow and the gnomon must needs have, and the difficulty to observe the true length of the shadow, as also the salfe supposition whereupon it proceeds, taking those lines for Parallels which are not, doe manifostly show the reckning hereby made to be doubtfull

and not sure.

2 The second is by measuring the semidiameter of the Earth: For as the circumference makes knowen the diameter, so doth this the circumference. This may bee done by observation made upon some great hill, hard by the Sea side. The invention is of Manrolyone Abbot of Messaria Sicilia, but it hath beene persitted, and more exactly performed by a worthy Mathematician Ed. W. who himselfe made proofe of it. By this art was the semidiameter of the Earth sound out to be 18312621 soot: which allowing 5000 foot to a mile is 3662 and a halfe miles, which doubled is the whole diameter 7325 miles. The circuit of the Earth shall be 23030 miles, and one degree containes 63% miles, which is almost 64 miles. Which as it exceeds the ordinary account, so may weerest upon it as more exact themany other.

2 The second point concerning the measuring of particular distances of places one from another is thus performed.

First upon the Globe it is most easie. With a paire of Compasses take the distance betweene any two places howsoever scituated upon the Globe, and apply the distance so taken to the Equator, and see how many degrees it takes up; those degrees turned into miles shew the distance of the two cities one from another.

Upon univerfall Maps there is a little more difficulty in finding the distance of places, which here must be considered in a threefold difference of scituation:

I Of Latitude onely.
2 Of Longitude onely.

3 Of Latitude and Longitude together.

r If the two places differ onely in Latitude, and lie under the same Meridian, if the places lie both on one side of the Equator, the differences of the latitudes, or the summe of both latitudes added together, if one place lie North and another South, being turned into miles gives the true distance.

2 If the places differ only in Longitude, and lie both under one parallel of latitude, the difference of longitude turned into miles proportionably according to

the latitude of the parallel, gives the true distance.

3 The distance of places differing both in latitude and longitude may thus be found out, first let there bee drawen a semicircle upon a right diameter noted with (AB(D) whereof (D) shall bee the Center. The greater this semicircle is made, so much the more easie will be the operation; because the degrees will be larger. Then this semicircle being drawen, and accordingly divided, imagine that by the helpe of it, you defire to finde out the distance betwixt London and Iernsalem, which Cities are knowne to differ both in longitude and latitude. Now, that the true distance betwixt these two places may bee found out, you must first subtract, the lesser longitude out of the greater, so shall you finde the differences of their longitudes, which is 47. degrees. Then reckon that difference upon the semicircle, beginning at (A) and so proceed to (B;) and at the end of that difference, make a marke with the letter (E) unto which point by your ruler, let a right line bee drawne from (D) the center of the semicircle. This being in this fort performed, let the lesser latitude be sought out which is 32 degrees, in the foresaid semicircle, beginning your account from the point (E) and so proceed towards (B), and at the end of the lesser latitude let another point bee marked out with the letter (G,) from which point, let there bee drawen a perpendicular line which may fall with right angles upon the former line drawen from (D) to (E_1) and where it chanceth to fall, there marke out a point with the letter (H_2) . This being performed let the greater latitude which is 51 degrees 32 minuits, bee fought out in the semicircle beginning to reckon from (1) towards (B) and at the end of that latitude fet another point figned out by the letter (I) from whence let there bee drawen another perpendicular line that may fall with right angles upon the diameter (AC:) and here marke out a point with the letter (K,) this done take with your compasse the distance betwixt (K) and (H) which distance you must set downe upon the diameter (AC) placing the one foot of your compasse upon (K) and the other towards the center (D,) and there marke out a point with the letter (L;) then with your compaffe take the shorter perpendicular line (GH,) and apply that widenesse upon the longer perpendicular line (IK,) placing the one foot of your compasse at (I,) which is the bounds of the greater latitude, and extend the o ther towards (K,) and there make a point at (M,) then with your compaffe take the distance betwixt (L) and (M,) and apply the same to the semicircle, placing the one foot of your compafie in (A) and the other towards (B,) and there marks out a point with the letter (N,) now the number of degrees

comprehended betwixt (A) and (N) will expresse the true distance of the two places, which will bee found to bee 39. degrees: which being multiplied by 60. and so converted into

miles according to the formerrules, will produce 2340, which is the di-

ablance of the faid a fernated up a the Good quibatannil a stance of the faid a got and an alifa

FINIS. the more deficient to the ling of a diffunce

places, which here that & confidence for threefold differen confidence

. Of Longitz because

of OF stricts and longing cogniliers the two places of the ones, or the light sector fleeting fence Merid and the classes he beed on one indeed the Auguston, the difference of the land

anger the reads in order to the reads added to read at, if any place lie North and a series, or the investion of the reads added to read at, if any place lie North and any refer South, being triving into unies gives the read illiance.

The characteristics only in him dealers and he porthunder one parallel of its fixed attended to the read and any respectively accepted by the reads and any contractions of longing the reinhed and units proportionably accepted by the





SUMME OF MORAL PHILOSOPHY:

SUCCINCTLY GATHERED, ELEGANTLY COMPOSED, AND METHODICALLY bandled,

BY

THAT LEARNED SCHOLLER AND WORTHY DIVINE

WILLIAM PEMBLE,
Master of Arts, and late Commoner of Mag. Hall.

Mores bonesta verbis, verba Moribus.

Τρόπος έσω σοι τε λόγε πισότερος, ίνα μι μόνον λέχων άλλα ή σωπών το αιδέσιμον έχης.



LONDON,
Printed by M.Flesher, for Edward Forrest, and are sold by R. Royston in Ivy lane at the signe of the Angell.

SUMME OF OF

ELEGANTLY COMPOSED,
AND METHODICALLY
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THAT LEARINED SCHOLLER AND WORTHY DIXINE WILLIAM PLASSES

Mafter of Aus, and Las Conmoner of Cong. Indi:

Mores lon flavoris, veils sories.

प्रदेशका हेन्छ को पर अर्थान व्यानसम्बद्ध है। हाई स्थान अर्थक, दो अर्थ थी नक्षान्ती को देशियाला हैतुनी



Printed by M. Flesher, for E. tward Forest, and are fold by R. Rossen in lvy lathe at the figure of the Angell



To the Reader.

Ehold (unpartiall and courteous) Reader, I present unto thee one whom I need not name, the whole booke so fully speakes him, it being the Character of him, whose name the Frontispice beares: here hee yet lines although dead, for the Booke breathes that which hee

once was, and when he was, hee lined that which the book teacheth, for such was his admirable composure, that his very actions were a moral Lecture, having exactly learned that of Minutius, non loqui Magna sed vivere. I will not make any elogie of the Author, nor encomion on the Book, when as the one deserves rather the registring in Annales, then the light torch of a running Pen; for the other unlesse my guesse faile me, to a judicious braine, and a well seasoned heart, it will commend it selfe, it having a mixture of learning and delight, whereby it will both instruct and please the Reader, and to Jay truth such was his dexterity, that by Rhetoricke he could infinuate to a persuafion, and by solidity of argument evince thee to affent. But if perhaps the book in all points answere not the worth of the Man, or thy expectation, let it not detrast from his deferts, or beget a prejudice in thy conceit, since the work is Posthumus, and (I am perswaded) never by the Authour intended for the publique censure; neither is the Printer much to be blamed, since hee is so carefull to preserve any of thy bleft reliques (Pemble) yet unstaine, from the unhappy fate of the vrne. Lastly, since to offend is humanæ fortis, what soever errors thou mayest find either in Author or Printer, the one thou mayest in thy judgement correct, the other in humanity condone. So mayest thou in some fort vindicate the Authour, and gratifie the Printer, Farewell.

All

r Meta-physical. Acquired of which Schriftstle. write I Reall 2 Mathema-)2 Geometry, ticall 3 Mulick.

Altronomy. 3 Physicall Sprinciples Sof Naturall concerning Generation things. I Theoricall 2 Rationall 2 Rhetoricke.
3 Logick.
1 Active 2 Ethicks.
3 Politicks. 2 Pactive as skill in 2 Hunting.
3 Husbandry.



SVMME OF MORAL PHILOSOPHY

I. Ethickes.

Orality is the Art of behaviour, prescribing directions for manners arifing out of use and customary conversation. (1 Reall making a good man a) asw. Manners are either 2 Complementall, making a faire conditioned man randy. The Vertues arising out of both Kananapalla (1 Time Goodnesse is Positive. Complement varies 2 Place.
according to 23 Person. The one necessary, the other indifferent, if used there is a grace and ornament, if not the impeach is not great. Goodnesse is wrought by actions of Vertue; Naturall for men to work: our life tearmed by the Pythagorians owna weaking, a fardle of Actions: Beafts are dull and at command, aguntur non agunt: men onely are Active, as having \ Wit for Judging. Will for profecuting. Actions are to be perfected by Vertue for directions. Vertue is lame without Fortune, and Fortune blind, heady and headleffe without vertue. I Ina state Politicke. Our working is either \2 In a family Occonomicke. (3 In private touching our selves, only Ethicke. In Behicks are foure causes of Actions. The Finall, the utmost is felicity, the speciall and immediate end, and parti-2 Mit comprehend that le ciall enaboog sonthaid to warth at gained boog reluc The Formall, as { Vertues } making our { Bonnins } Verning and Apparent. Felicity is the be'l cy in goodnelle perfe 3 Materiall, as Passions, whereon our vertues must worke. 4 Efficient, as \ Wit that makes prudence.
Will that makes præ-election.
This is your Subject of all Ethicks. II. Of

I I. Of particular Ends.

of the state of th

appetunt

Cic.I Divin.

O Action to fuddaine, but proposeth some end : As actions are fundry, so are particular ends: Our appetite affects them as either in thew or substance

Defire naturally is for preservation; Evill as it is evill is an enemie to being:

Hence the aime of all Appetite must be some good.

1 Naturall, as common Inclinations to a generall good of being : as for the Earth to beare downewards, the fire

2 Sensitive called (1 Griefe for things to bee avoided. Appetites are either wholeiflies are, to Pleasure for things to bee pro-

fecuted. Rationall, partly from the Understanding, that judges the good:partly from the wil that affects it: this is in men only, the other in beafts.

Hence ariseth three \(\) Bonum Entu: The object proper to the naturall. forts of Good, viz. \(\) Bonum Soniu: Whose satisfaction is delight. \(\) Bonum Moris: Whose manager is Reason.

If Reason be governesse, we apprehend true good.

If lead by Passion, we follow appearances.

Passion sets a colour on Evilland perswades the good of it.

Hence are all vicious defires in I

Our way for fach objects is with Amabat to heare the gilded Pillars in Tano's Temple, before we venter to feaft on them and man de Davinol Listonbood

--- Veri freciem dignosore calle Organismos Proposition of the contract of the Ufefull onely to others, not for themselves, fo riches in them-

Things are de
Ulchill both for others, and definable in themselves a formed, either

Virtues of themselves are comely, and are as meanes to hap-

nen onelgare chive, as Defirable onely for themselves, not for others as felicity the

That we often faile of the end intended is for the want of and

Judgement in choice of the right meanes.

Shall by in not professing that we have chosen in word a surroy of the content of th

3 Constancy in not perfevering in what we have chosen, and began to profecute. I Ina fate Politicke.

The excellency of one end above another is knowne. radia a guidrow ru()

If that end have the most worthy meaner directing to it. Hence the end of Policy is above others as having the means of other Practice ends substructe to it, but finall, the unnot is felicity, the focial and immediate end, and if I like Finall, the unnot is felicity, the focial and immediate only worth own and the special substruction of the focial and in the focial and i

art of Horse-man drippe is referred to art Military articles of Horse the entropy as a second of the Country and the country articles of the country are the country as a second of the country are the countr

Felicity is the best of ends:our foule affecteth it: Vertue worke it: Constancy in goodnesse perfects it: It selfe is the up-shot of all practick ends. affions, whereon our vertues muft work

to III Will that makes prudence. Will that makes pra-election. This is your Subject of all Eshicks.

11.01

	No. of Concession, Name of Street, or other Persons and Street, or other P
the foule wire feerer, were it not the the foreating of the body displaied in a	
The operations of the foule properly steemed as land and and other. As their par-	
take of the body, to the vehra that normy of the wound use of others: Hence arise actions of peachie, then, we are good of others, and firb we are not for our felves only, but evident and reference and society arises out	
Hence are actions of peachie, defining Felicity.	Bonn minul po-
We are not for our felves only, but the entermine ones, and to the our	Forces acres in Feb.
Elicity is the propolall of the best good.	
We propose our good either as informed by passion or judgement: Passi-	
on goes by opinio, and as opinion is staggering, so must such proposals be. Hence	
to some pleasure, to others wealth, to others honour, is Felicity; all are pleasures	
for the time but content not.	19-3-1
This felicity is not true, but forged. True felicity is from an uprightnesse of judgment.	i i
True felicity is from an uprightnesse of judgment.	
That we may find it out, leeke we what in a man can be	
Greatest perfection.	
Ot<2 Sole fufficiencie.	
(3 Quietneffe of minde.	
1 Perfection is required to all goods, but the height of perfection to the best	
goods.	4
Sole fufficiency S r Contentation in what we enjoy. This keepes us from	The second second
that there bee 22 No want of what we enjoy not. 5 repining.	
Quiet of minde 2 True dealing with men. Body or alwaies as helps	
Quiet of minde that there bee 3 Not doting on the goods of fortune alwaies as helps	
4 Stopping extravagancy of passions,	
A breach in any of these marres tranquillity.	
In a man use confiders double carriage	
either as a Brans in this life only Moral.	
either as 2 Preparing himselfe for a future life, Christian.	
Hence Stoicks and Platonicks held, we were free of	
two Cit- SauThogreater, Heaven, go inches the months and the	I ethitas c
ticam to it and the lefter, in The World a his your month mort onic recorn.	1660
This world as it beares the image of the heavenly, and is the way of our	
journying thither: So the actions of the one truely moral, are not in opposition to	
the Christian of my distributed the like help and a parlor artificial and	
Each of these (1 Greatest perfection. 80 1 and 1	
lives have in (2) Sole sufficiency annunce; the organization to work and nois A	
their end I was Truck quietoelle of minde, want a legged at a same going	
The felicity of the one it presence of all good, when the soule is separated.	
ri a The meanes to getthis generall is Religion, inthat ban avantage ver it so non	Amini.
The felicity of the other is presence of all good, whilst we live. Handitarai	
The meanes to get it, is common honefly or univerfall justice and art of all	Secunques
Living in this world our Soule onely, arrayoo year autema own rabilities worke is either in Soule and Body.	Frances
morke is either in Soule and Body.	
The perfection of it is contemplation.	
The object and aime of it is Truth.	
The fatisfaction is content and quietnesse of minde.	
et The meanes to attaine it, is Sapience and Pondering, entren vall dated?	
That is an habit generall suggest by	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
Ca Science to thin election of continuous at the upon 100 and 1	13.00
Ct. True perfection. Degraded in the good at	
This true felicity, a Sole dufficiency, is tearmed Felicinas consemplativa.	In vita or off.
fich in it is	
Our works both in foule and body is transient, so called because the action of	
pd the	

the foule were fecret, were it not that the spreading of the body displaied it is The operations of the foule properly are punctuall and indivisible: As they partake of the body, so they open themselves both to the view, and use of others: Hence arise actions of practise, their speciall aime is the good of others, and sith we are not for our felves only, but to be usefull to others, and society arises out of community of nature; our special felicity, for use must be practick.

Felicitas Practica. There are two special Felicities then.

As sinne and vice being a Darkenesse of understanding for discerning much. in all a double milery 2 Depravation of will for affecting goodnesse; and of so to remedy these, our Contemplative for the one. I man and some and so perfection must be Practick for the other.

These come not of the Brength of men, fith the blind cannot judge of colors, the perverse cannot will goodnesse.

They are given of God, if any gift comes from above to man, faith Ariffolis,

It is most fit it should be our felicity, if Isomurilor, if the should be the The sterne to manage these must be faith.

Contemplation is curiofity. (This is the aime of the heathen Without it Good actions but fashion, goodnesse. (and vaine-glory

Contemplation is wisdome. Action is 2 Charity to our neighbour This alone is mans felicity. (3 Salvation to our felves.

A breachingay of their many

I V. Temperall happine ffe described.

eficiens eft Actio.

Secundun Virtutem

He perfection of things is in their operation I deneste, and want of Action proceeding from Impotency: Hence Felicity being the perfection of manis action.

To will and intend fuffices not but doing is requifite, took to faint an your of

In masteries the crownes are not given to the likelieft in person, but to the

Action is a power common to all; communities commend not, fith commendation aimes at a speciall, and preferring before others of Thence Felicity the highest of goods must be a special action of man, that proceeds from the soule not as it is vegitative, and fenfitive (fo agreeing with Beafts and Plants) but as it The felicity of the other is preferre of all gramm or rapport ylno, llanoitat ai The method for the container of gains of the method of the container of Soule one | Soule one | Governoor | Soule one | Governoor | Soule one | Soule one | Governoor | Soule one | Soule one

The governing part is by Will regulating our fortles actions, and stopping their unwarrantable exercises: This called Reseast, and, or Virtus. The object and aime of it is I rate.

The part to be governed is the feat of Partionaneanness in orthod at a late of

Though they naturally forest from the stemme of reason, and are proper to men onely, yet in themselves they are wild and untilly, but strength of reason must order them. rwo particulars &

Our perfection (in the latter which must obey but in the former, which must governe.

Resions in firength and actions of Vertue are nothing, malefic they are continued: Perfection of good must be without Ruptures: The intercedence of an after will marres the glory of the precedent good actions: Hence felicity must

In vita perfetta.

bee a worke of honestie to the end/of our dayes.

This still conds with our life, and therefore temporall. I have alleged it.

The other begins after death, and is eternall, one are beautiful in the still t

V. Things required to temporall Happine fee. 200 most

HAppinesse is a Versue common not for our febres onely, but for the good of others.

Anthoppy mans implayment must be beneficence a his reward esteeme and credite among the people.

That hee may bee belt in performance, and Minde highest repute, he must have the goods of Fortune.

The minde is most inward, so affordeth goods most proper to selicity; A man for morall goodnesse is to bee judged for the goods within: Things outward as of the Body and Fortune are often changeable. They are not overmuch to bee desired, yet if offered they are to be received; we extect them for conveniencie, not necessity, as usefull to set forth our Vertues both to the good and view of others.

Riches and the goods of Fortune ferve for the weste of the body, the body for the foule, the foule for God. Yuxiis wiferen to when, Soil is 4 40xii.

Thus the goods outward are in direction to the goods inward: they make not a man happy, but adorne him; they give his lutter; not his being.

The thing that makes happinesse properly and principally is Vertue, yet Fortune must grace it; as the stones and timber make the house, yet for sight we could wish it pargetted, before we dwell in it. And though a man can foot it well, yet he need not result a Coach if offer be made, Semen, 100 land

Vertue without Fortune is like a Ringthat bath a link Conneell, though his underlings be rebellions: He is able to keepe him in gard, though about there be mutinies; He may be happy in himselfe in despite of Fortune: like as a strong man can beare, if a greater weight should be laid upon him, and can suffer cold, though in the interim his teeth chatter.

An happy man vieth ill fortune, as a good Captaine bad armes, though unframable, yet using them according to art militarie, or as a skilfull craftiman shawing his art on a shoot of bad leather, both may doe well, but better, if their meanes were better.

The goods of the minde Will for choosing, what we have judged.

3 Power for profecuting what we have chosen.

4 Ability for ordering our profecutions.

Habits are the lowest gifts of the minde.

They are gotten by use and custome, the other are naturall.

2 They worke on passions, whose ground is sense.

The other are without 2. Choice.

The other are without 3. Ludgement 4. Power.

Wit 6. Will.

Profecution 2. Choice.

are inseparate substances.

Their kinds of Intellectuall.

The

Tria bonorum generarequiruntur ad felicitatem. The intellectuall, some by doctrine, and inftinction, and are 5. to wit, Prudence.

Sapience.

For action,

Arte.

The morall come by use, and If ruling passion, it is Vertue. custom, viz. If ruled by it, it is Vice.

The difference betwirt the worke of nature, and of manners is, Nature first begins with the habit, then comes to the action, as first we have the power of laughing, before the act: Manners are first in action, then in habit.

The goods of the body are 2 Strength.
3 Grace of person.

Though Vertue could appeare in deformity, yet it is more honourable in a comely personage: as the Ruby planted in iron hath his luster, yet it sparkles more in a bed of Gold.

The goods of fortune are, 3 Reputation and credit.
4 Friends.
5 Goods of posterity.

Money.

Goods eithering Goodsas

Lands: "

The use and end 2 Themsor 1 Not of pampering pleasure. 2 But of recreation.

It is requifite for purveiance: Poverty and want are repining: necessity of having, armeth to importunity and impudency in procuring: Thence the beggers life, though most to be epitied for want, yet deserves least favour for their boldnesse. The Pythagoreans would have an happy man wealthy, but not in abundance: That much prosperity is like over-much light, it quests the eyefight. That we must wish for no more prosperity, then may fit us for action, as the Pilot takes not the ship of most weight, but of most convenience for coasting: That the evills of much prosperity are greater then they of adversitie; as in the body supersuities worke more dangerous diseases, then desects: That as affliction compells our minde, so height of wealth pusses it up, and empties it: Hence we see the rich often injurious and increaching: A happy man by wisedome prevents shele:

2. Worth of birth, this is requisite, that there bee no staine of blood. Low birth dejects the minde.

Bastardy is dishonourable, as debarring inheritance to the common rights of

Lewdnesse of parents is a disparagement to the child, as Diogenesseeing a boy wantouly given, gave this the reason of it, that surely his father was drunken, when hee begot him: Contrarily it was Diophantes brag, that hee could prevaile in any demand with the Athenians, sith his father Themissees could doe so before him.

3 Reputation is either viz. in Good opinion of our fellow Citizens.

I Preferments are properly due to the best: Lewd governours come in rather by intention then right: Optimates is an attribute to those that for the common good so carry themselves, that Sua constitu optimo enique debentur: They are

differed by Tully Opimates funds qui nes unsausos fines, nan incurre improbinges fariofi, nec malis domefticis impediti: Hence hee ranges even rufticks and made

men, so they be honest. An arminious mentioned make to many sign.

The reason may be, the ground of evill society must be religion, and justice; without it can neither bee responsible from injusies, nor must be religion, and justice; without it can neither bee responsible from injusies, nor must be society start and passable, but justice informed additional. This is not the souls to quicken it, that as the Organe to want and british it is Hones the right of go-Ufe and helpe, that must she we. shit mished ent or sub si yellequant que and helpe, that must she will be so the belle in the world in the same state.

pal Good opinion in the minds of others is proper to the Mermons if at 11 2A

Lopens it felfe in \ Works of fervice. To it relies of fervice works of fervice.

Wifdomes &

Three things breed in a man credit Honefty and Love and kindheffer

The special of these is Honestie: for a manitously honest that wife dome, that hee can diftinguish the good from she had we blow the opeand avdid the other and his love is fuch, that he will labour to benefit all, and injury mone: This repute for good actions common and ordinary opens it felfa into praise for actions extraordinary, incohonour, glory and admiring a honour and admiration ascends upward, and is the title due to the extreme point of goodnesse: Wee yeeld it to things of most children, and seathest out of our compasse: Hence all things most admired are most perfect; for the persons moltadmiring are of the lowest condition; therefore Pythageras boasted hee had got this good by Philosophic, that hee had learned to wonder at nothing, fith admiration proceeds rather out of the gaze of ignorance, then from a true

As in Nature there is excesse and defect, as in monsters, so in manners allo. Things honoured and admited are dut of the reach of Envisore will you a your

In vicina verfamur invidia, simplicius longe posta miramur. Ibusing Hencegood cannot be envied, tince Envy is not at lower perfections: Praile is a title due to vertue, and is the reward of it; we attribute it not simply, but in comparison; nor is a man so much praised for his absolute good, as because in that good hee exceeds others, that are in comparison worle then himfelfe: Hence praise stands in a proportionate preferring before others i Non ut opti-

mis par fit, sed ut malis melior. Glory is simply without reference to defects of others: It admits no proportion by reason of distance : praise may bee given and taken of equalls : Glory is for a Superiour onely: praise recants downewards to conferre with defects, and after conference coextall the better defects of the other : Glory admits not of comparing, but is a title absolute. Allo prafiliem.

Herice Felicitas bonum Honorabile.

4 Goods of posterity as of { Children | somewhat to be respected of an hap-

In follower him after death as a complement of his glory, yet fo that it nothing detracts from him, if the contrary happen.

5 Friends are requifite to happinesse partly for Comfort,

For use, fith a man cannot rely upon the purchase of his owne hands onely, but hee often requires an helpe: Management of things are fundry, and fith they must each have their feverall dispatch, they carnot so well bee compasfeel by one.

For comfort, fith a man is pliable to utter himfelfe to fome one of trust: Troubles are incident to all and there is case in reveiling them. Strangulat inclusius dolor. Againe our pature abandoneth folicarinostic; Presence of Cicero pro Sextio.

Arift. 2. Rhet.

The end of all appetites

friends keepes us from feeding on our owne hearts, like Beliepheren inthe willfuriof me male domefre is impedure. Hence hee conges eventil To friendship three things are required, 2. Consucrate, at jurandamentalists.

To friendship three things are required, 2. Consucrate, at jurandamentalists. crs, nor rewarming form in the real pareke, and pallable, but juffice into a niged flum rath, brisong att surrect Pleafure, and conversation, that continue tation of the Continue that a state of the Continue tation of the Contin Use and helpe, that must shew, utter and exercise it. hai vila income money As it is the prop and stay of mans life, and follows immediately from the sociablenesse of his nature, so it relies on three goods, The end of all appetites Bounn hous flam.

Bounn neile.

Range Three things breed in a man creditionhungimund Friends mult not be finddenly gotten. The speciall of the is Honellie, shutthum in your many instructions of the is Honellie and the state of the instruction of the It was Zenzie answere when hee was reprehended for flow painting; that hee must bestow time in drawing thoselines, which he hoped should continue for ever. Observance of their passions and qualities must precede, before we enter to close with them. Whether they be agreeable in manners tous, 1 mblany 29 W - allonber Whether they increach not too fast into our acquaintance, for towardnesse of this is an occasion of suspect : for such a one is either a common friend and to leffe intire, or hee comes to you but for advantage and fo for advantage will dinigation propoeds 2 Multitude of friends empties affection, as the channell must have many shallower, that is cut into fundry streames. One bragged to Chilo, that hee knew not many his enemies: hee replied that by that he knew, not many was his friends. Friendship is a tenure precise, and proper to one, not to bee enlarged to multitudes: Agestians would use all in courteste, but hee was familiar and friendly but so few. The Giant that had 50 bellies, was faine to have an 100 hands, and had by this no more benefit of fultenance, then they that to one belly have but two hands, Amioitia tantum inter duos. Men of worth have many fellows, few friends. Friendship is when they follow principally for Vertue. When they follow for goods outward Power. Countenance! It is greatmeffe of retinue ufefull to men of place. In pace decus, in ballo prasidium. 2 Power: It is faction, and by it they raise themselves, deprese their adverfaries. In government it is good to use men of one ranke equally: for to countenance some extraordinarily is to make them insolent, and the rest discontent. In favour it is best to use men with much difference, and election for it makes the persons preferred more carefull, and the rest mere officions. thing detrails from him, if the contrary

Vana turdod VI. a. Things required to temporal Happinesse it at 10

I trende are requilire to impunelle party for S

Appinellebeing the perfection of man must been things that most had nour him, nothing to worthy of him as vertue. It proceeds immediatly from his foule, as partaking both of wicand will, and shift, colored to the Hence as beastware devoid of both for Vertuous in a stablished as a stablished as the color of the color

To live according to vertue, and the prefeript of nature is accounted all one. The reasons are three.

I Nature is the finger of God in creatures, whose worke is for the best, and vertue is naught but the perfection of God. Sansiation

2 Man by nature an image of God, as vertue and goodnesse slowes immediatly from the one, so ought from the other.

Our foule bath will and wit: Wit the apprehender of Truth, and Will of Good; the conioyning of both is mans nature, which of it felfe must both judge and affect true good : this onely is vertue: Vertue is termed by them any speciall action proper to any speciall nature: Heavens, Elements, and dead bodies are by natureactive, and vertuous: As things are most materiall, so are they lesse quick: Hence soules are most vertuous, and this vertue is their felicitie.

VII. of Pasions in general.

Daffions are the matter of Vertue. They are the nailes, that fasten soule and body together. Rifing and increase. : 576 In them we note their 2 Issues and consequence. Prevention and Ropping. The foules nature. Their rising partly from 2 The occurrences of objects. 1 Not by the understanding part. The foule growes in passion 2 But by the sensitive

(I Judgetha truth. 2 Induceth a colour part, which ormil of truth.

The fensitive works & Abroad by the five ourward fenses in Within by the imagination or fansie, of sal

The worke of the phantafie is to resume what the memory hath retained, and the common sense judged, and out of them to make collections of appea-

These appearances goe mas- { Truth gand, dissilled boold add and it is ked under the habit of { Good.

If of truth, they perswade (I Curiosity,) and (I Hereticks.) These erre a weak understanding 2 Folly, hence 2 Poets. Giddines are s Fond ftudets. Theorie. and fo breed, vie.

If of, good they perswade a weake will, and breed some passions, which make men vicious and erre in the practicke: That which makes a fancy ventrous and refolved in these collections; is opinion proceeding naturally from the foule; and as phantafie is a part of it, so opinion must be the issue of it.

Hence arise the tenents against the Stoicks.

Paffions are a naturall part of the foule.

They may bee moderated well from their excurrence, but cannot bee throughly barred of their existence in us.

They are not in themselves evill, but in their degrees.

4 They are often profitable, and meanes to further vertue, as feare teaches us to avoid evill, felfe love to profecute our good, Mercy and pity teaches a King: Clemency and anger wheteth our valour.

5 Their excesse is not positively evill, but upon circumstances, as with my friend I may bee angry for his fault, but bee reconciled againe: with my foe I

may be more implacable.

6 Though strengthened by opinion, yet not proceeding from without us, but naturall apprehensions within.

Materia virtutis

7 In

	The second secon
7 In a man two parts { Understanding } both in reluctance to the	he other.
Hence arifeth confcience, or windows and and	Name i
2 Sense takes the good of mont Pleasure, hence are passions.	dust.
The will harh two inclinations freafon or itw beallist died als	Our fin
reduce of both is m. senfe. a st. Senfe. a st bod to grave a	540 (1651)
In judgement we often condemne, what in passion we prosect	rte.
one of Mai Deteriora fequoriult al jeuicinis. bat avice antine	TWO DOES NOT
Objects that move our phantalie, are { Evillato be avoided. Goods to be followed.	
The around that perfusales our foule to apprehend the fo chiefe	is felfe love
This as it is 2 Ruled by fense is bad; and the duty of man. Ruled by fense is bad; and purseth passions.	
It may bee defined, An inordinate inclination of the affectin	la taominal
pleasure of the body against the prescript of right Reason.	ig toomuci
Generall Common of the married and the	D I Marrie
I ne mues or paistous, are & Speciall, and nother and soline one	Tell I
The Generall are: . shoron bangain 12	
r Rebellion againft reason consequence basenil a friedre out	antiquip 1
2 Division in themselves niggoil best noise your	. [:
3 Infatiable in their extent.	4 (.22.
4 Importunate for action Hence they worke headinesse, an resolution.	id middaine
forms a transfer of Cr. Foolish	Asia Cara
C Defirous of things 2 Inconvenient, and	Estholis.
3 Impoffible, my	Special Control
6 Inconfrancie of profecutional over set voluments \? 2 2 20000	Shell of S
2 The specialtare: one special solly drawn a 1	send a
demices de l'une se ed rally en Cr Railing the humours.	19,773
2 Driving the body to diftemper by 2 Altering the complexion 3 Forcing new motions.	
As in feare the blood chilleth, in anger boiles, in griefe the heart	closeth in
joy opens. South South	Sou hys
2. Blinding the judgement : The reason is,	count of
The Understanding receives her notice from the fancies imprefs	ion: which
befriending passion representeth often to the judgement nor true a	nd realt, but
apparent and conceited thapes.	\$30-31
Perverting our will. The will inclines ofmer to passion, then judgement, because p	
ven more to choice and liberty, see of a to many a deliminaring and see	water is &i-
The judgement is precise and setlectro one part.	
The prevention of S Discover ? Discover ? Discover ?	indicate it
The prevention of S Discover them. Have being bond and on	: They
r Discovery is had, seem a should a had to be seed	Wingstondy
I From the use of company : as Angust us judged of his two dang	liters Inlia
and Livin, finding one delighted to converte with grave men, the	other with
younghers: pronounced the one flayed, the other light.	- The Go
guine pleasing steam flotte popularith state the choice for the sale	Trout >
wace angry for his fault, but eninfibut or of ane : with my food	m 1 Arrin
g From the use of talke,)2 Often.	umod ymm
as if it be and y Sperforally imposething dendrated	gundi a
1. Oin Can:	See to Hanney See

2 To

To discover our selves observe wee what our enemies speake of us. They are ready to seize on what is faulty in us, when our selves are blinded with fe love.

After the discovery our Passions most be tempered. selfe love.

The temper of them must be reason and wisedome checking the sence, and stopping the excurrence of Phantafie. The good refined in C Lave. ? ..

pping the excurrence of Phantane. Men by reason teach birds to speake, dogs to hunt, horses to curvet, though fence perswade the contrary. hen it is profected & Hope.

And wee discharge our selves of the meat wee have eaten with pleasure,

when we beare it was polluted or forbidden who prosts he care mine

The way to temper them is not to root out but to prune them, as the taming of Horses is not to take away their motion, but their skips: And Lycurgus should not so much cut downe the Vines to barre drunkennesse, as have planted cisterns of water to have allaied the heat thereof. It was Zeno his saying of muficall instruments, that even barren wood and dead guts would speake, if strained to their pitch, and ranked in order.

Wisdome must be our Aftrolabe to take the height and elevation of our pas-

fions, if they over-grow.

Paine or griefe the iffice of all, when t Our wayes to flacke them are,

To bend to the other extreme; as if my fight bee feattered by view of white, I must regather it by viewing a black object: And Epaninondas way to stop his furfet on sweet meats, was to close his banquet with a draught of

Abstinence from things hurtfull, though lawfull

Stop all occasions, that are motives to ser passion on head.

Barre selfe conceits, and fancifull apprehensions,

Yeeld not to inconstancy and fleeting. 18 20 151 100 10

I Labour to mortifie the flesh.

If Passion be too violent, that we cannot slack it, our labour must be,

To stay execution; As Archysas protested to his Bayliese than carelesly kept his ground, that were he not angry, he would tell him part of his mind : And Plate would not himselfe beate his man, while hee was moved, but gave him up to Spensippus to be handled by him.

2 To conceale it in what wee may, for it breeds difrespace, if wee open our yeelding to it: this made Plutarch to bee upbraided by his servant, when hee could not diffemble his anger, that it was a fhame for him to bee angry, fith hee had written a booke to the contrary.

A man (faith Plato) is sometimes his owne lord, when reason rules him;

fometimes his owne vaffall, when sence and passion.

The division and number of Passions. VIII.

He bent and aime of all The gaining of a good:
Passions are either, The avoidance of evill. Passions are either,

Good are gained by 2. inclinations the irafcible that affects. The irafcible that profecutes avoided of the foule, we exture on what we affect.

Both these have their objects { Good. Evill.

The attainment of the Evill breeds griefe.

Pleasure are the heads of all passion.

Louise le modeouvel E The

To discover our litres of svolver at eur caemies a akcol is. They e ready tracker on what sinder they when our felt es are blinded with
The Passions aiming at good are either 3 Hope. 4 Boldnesse.
The good presented is { Love. } these proceed from the concupisable :
Then it is profecured \ Hope. these proceed out of the irascible.
Then being attained there reforts pleasure: this onely for the good present the other for the good absent. The Passions aiming at the avoidance of evill are:
1 Hate opposite to love. 2 Abomination or detesting, opposite to desire, being but the vehemence of
high degree of hate, as defire is of love. 3 Despaire opposite to hope. 4 Feare to boldnesse. In the state of the state
5 Paine or griefe the issue of all, when the evill is in presence.
As Goods come nearer or further off their attainment, Ficalities Evils Griefe.
Thefe ro. Passions are simple, seeing they partake either of Pleasure alone,
or griefe alone. There are feven mixt Pathons. It distinct and more are feven mixt Pathons.
These worke either { on our selves, or on others.
They that worke on our felves are il. Shamefaknesse 2 51 Feare for infamy.
2 Repentance 3 mixe of 2 Sorrow for fault. 3 Defice of amendment.
a They that work on for them, or others, are either against them.
Pitie whose object is the evill of another, which wee would have removed.
Mixt of { Griefe for the evills befalling Defire for the removall of them.
4 Zeale, conceived in the behalfe of one we love.
Mixt of 2 Anger against the party wronging.
Love to the party wronged. 4 Boldneffe to right him in what wee may.
The Passions that worke against 5 In thought onely. another, are either 2 Or in deed.
r In thought, 1.
5 Jealoufie or fulpition mixt with Anger.
Feare.
2 Indeed, 2. (1 Griefe for wrongs.
6 Anger mixt with either 3 Hate against the party wronging. 2 Desire of revenge. 4 Boldnesse in venturing.
Maligning: This is different from anger, fith anger is moved upon wrong done: This without that motive; onely because it is well with another.
This

This containes Emzapeage.	ittering at anothers goody at a contest a line in joying at others fall. 2 Love proper is in men alone 2 Love proper is in men alone
The former mixt of \ Gr	icfe. (29 vial no) for shirt is it is it is it is it is it is confirmed for the con
The latter of { Hare. Joy for th	e evill fallen. See As Deliver called 100 for roll 1
Tood, both in prefent and	of Passions in generall.
- uhodaili 1	fature.
in in the second of left.	of Love the first Passion
It is either with or w	odnesse; the issue joy and content. The issue of the issu
I Without Palifon its in	Angels. Sof good, and this affecting is Love.
(Communicating good to others.
the loadstone of love.	he views his owne goodnesse: and goodnesse is
2 He communicates to 5	
creatures, goods of ?	
1 Nature is generall to	Preferencion In this is the true Bonnen Entis,
all, and comprehends the works of	temporall. which God loves.
2 Grace is speciall to some & comprehends the spi- rituall acts of his love as	Redemption, In this is the true Rapum moris, Satisfaction, and this is Gods love.
2 Angels love is by conten	aplation of { God, ben'd a god of the works of God, arm of god
They see in all perfection ter into each part of the v hate which is as nothing. This love hath the	of good, the fountaine is God, the streames stat- world: Things they cannot hate, onely since they
I It is in the best natures,	and the perfection of them. oft lovely, so they are most in imparting their loves
	iting, envying, murmuring, all which are opposite
to love.	inmanner of Complement
interrupted by Passions.	man, it is trueft in God, and nature; these are not my hath not truely this love, sith it is spiced with
lust: wee may rather tearmed ance of further evill.	e it the Union of affections willed by God for avoi-
o It works for the beit th	ings with reluctance to fense.
2 Love with pallion is eit	her Proper, de linken we me werkene a fast to
Birds build their neafts,	and spare their owne crawes to fill their young
vound ones may elcane. Th	fore the Faukner, and ventures the taking, that her e most timorous creatures grow most resolute in
these combats: In the wor	ft natures are some sparkles of tove : As in Gold- hines a lucter, and in beafts are rude lines of mans
199	B 3 naturall (

Properties.

naturall affection: As in wild figs and plives are the spices of the sweet, though in harfher maner : Emparation joying at others fall. 2 Love proper is in men alone. It is is either of our felves, The former mixthe (r True according to reason, Love of our selves called en auria either 2 Fancied according to sense. True felfe-love apprehends that which is famply good, both in prefent and future. It respects the goods of the soule before those of the body. It chooses the lesse good of most durance before the greatest good of lesse It is the well-head of Charity. And the spurre of Vertue, sith by it we benefit our selves. The properties of it are Wishing the best to our selves. 3 Confent with our owne parts, as of { Reason, Gods love is partly in , neille an Loving to retire into our owne thoughts. si s Joying at our ownegood, and grieving at the contrary. Hence it is the attribute onely of good men. .. The evill follow showes, and opinative good, which failing breeds forrow: the good man aimes at truth, and therein consents him telfe. 2. Conscience suffers not the evil to view their owne thoughts, they are at odds with themselves; Sense and Reason are hard at compate with them:
Love cannot be there, where there is difference. 3 Selfe-love canfeth Joy; Evill men, though they have joy of fense, they have griefe of reason, and their joy is not for durance, but ends in repentance. 4 Intemperance is the badge of evill men, whole & Soule. worke is to breed diseases in A good man fo loves himselfe, that he will either stop raising, or labour their As goodnesse is wisedome, so evill is folly, which blindeth us, that wee cannot distinguish the good from the evill, but choose at randome, and so prove our selves without selfe love. The opposite of felfe-love is either a stupid neglect, or a desperate hate of himselfe, they that mangle themselves, are of this ranke: Selfe-love fancied according to fense is the badge of fooles; It is the feed plot of Passion, the bathe of Flatterers, the nurle of vices in manners reall, of Phantaftick humors, in manners of Complement. It ariseth from 3. heads, viz. 3 Easinesse of comparing our selves with others.

Partiality in judging to our owne side. The Iffines of it are 4. applied on a service to Admiration of our felves. Arrogancy of speech. a Volta the the bell times with thorough Ease excusing our owne faults. 4 Despising of others admonition, and counsell. The wayes to reftraine it are. Prize the Act of any above thine owne particular, as many eyes fee more then one, and many hands make better riddence.

Amplific others vertues, depreising thine owne.

Be sparing in vaunts, foldome in exercises.

This felfo-love barres the admittance of goodnesse; it comes not, unlesse is

bee fought. Sought it cannot bee, unleffe it beacknowledged wanting : Selfe-	-
Multi ad folidam eraditionem pervenissent	1
Parents ave cither of ze Manner instrum mas simourag of de Noule Hoch are	
Love to others is directed either to or our	
Stablish of structure tomers and the Neighbours.	
I Love to God is onely in a fanctified will, none can truely hate him but	
finners: The reason is because, God is Love, and sinne is in opposition to God.	1
2 Our bond of nature is, seemies, 21 annual o brooking a	
2 Love to our Neighbours is either to or allo and lady yell	-
I Love to our enemies is one of the cunning it points of Charity, and an imi-	
tation of the Divine nature.	
Pardoning them, if they repent, as the Lions doe the bealts, that submit	
themselves.	
2 Pardoning them, though perfifting, and being without submission.	100
Not pardoning them onely, but working a good for them. The Necessity of this Love is,	10/47
Because God loveth us being his enemies, and me must doe, as we would	
be done unto	
2 There is none fo bad but hath some what excellent in him, and none so har-	1
medus now, but he may doe us good hereafter; and for this is to be loved,	
for publicke respect,	
2 Love to our friends is either or	
r Love for publicke respect is the love of our Countrey, that is the ducty of	1
all; but it is most splendent in heroicks, who pawne their life for it.	
It was questioned whether this love was ingrafted by nature, or assumed by	Ob Lipfius.
custome?	
I If it come by nature, why doth pot the poore love as well as the rich?	1
How comes it, that many for gaine leave their countrey, never to returne,	1
fith where we love, we love to converse: Some have been Traitors against it, and Neroes to fire it.	
Weeanswere: Nature cannot bee so strict, right, and eeven, but sometime	
Thee breeds Monsters : gaine may withdraw mens hearts, and fasten them to	
forraine Coalts.	
The poore love their home, but rich men more, because they reape the good-	
nesse of their Countrey in a larger manner.	
Mens love of Countrey is first for themselves, as wee fearestormes, lest our selves pinch for them, and wee quench a fire, lest our owne houses bee fired	1
by it.	
(1 Ascending to our Superiours.	
2 Love for private respects is either \$2 Descending to our inseriours.	
Betwirt equals.	
That in descent is farre more hearty then that in ascent: Hence fathers are	
more loving to children, then children to fathers. That betwixt Equalls stands upon more indifferency of points; and in the	
best counterpoise of either they may fall to jarring : Hence brothers and fifters	
fall to jarring, and friends have many distastes.	
S Naturall,	
These Loves are linked either by bond or	1 1 1 1 1 1 1
The Naturall bond is three fold.	
1 Under God to parents, who I Honour.	
challenge of us 2 Maintenance, if need to require:	

It was Solons law, that none should be free from their duty but thefe that had learned no trade of their fathers.

Blood, that frame us in body.

Manners, that by direction frame us in Soule; fuch are Parents are either of 2 teachers.

It was Socrates his tenent, that by nature both these had challenge of Love: it is also doubted by many, whether Alexanders debt was not as ample to Aristotle his Master, as to Philip his father.

Our bond of nature is to Sifters.

They challenge of us,

Counfell.

Liberty of Conference.

Pleasure of Conversation-

Helps of Fortune; So wee wrong nor our felves over much in furnishing

of the Divine names.

Vivet extente Procul ejus eve datont main grinobas! Notus in fratres animi paterni.

I Honoured by our friends

2 Envied and feared of our enemies. Brothers love is 3 Ulefull to our felves. dend and had of croop ele

(4 Joyous to our Parents.

King Eumener his Mother professed her selfe happy in this, that of 4 Sonnes 3 yongest squired the body of the eldest, and that Eumener was nothing jealous or miltruftfull of them: Nature hath made them in a family feet to beare upour body both in equality and proportion; If they exceed, they cause halting, if they tripat one another, they cause falling.

A Lady of Persia made it a great dispute, whether they were better to lose her brother, or her sonne; she said they could get a new sonne, but a brother, sith

her Parents were dead, they could not.

Brothers dislike (it may be) ofte admits remedy, but their hate is inreconcileable: As the Joyntures of Art, though riven with rents, may be glewed againe, but Natures breach cannot.

The special Motives of their dislike are 2.

If we leave their commerce, and follow strangers, as if we should cut off our flesh and inch in the roome of it a strange peece: And the Arcadian Poet in Homer, when he had lost his legge, for his best helpe was to hoppe on a legge of wood; strangers will be distrustfull of us, fith we leave our owne.

Can you stile your friend brother, when you cannot account a brother your friend: as absurd a thing, as if you mangeled his naturall body, but hanged his Idoll with laces and Garlands.

If we are alwayes checking, and thwarting their courses, as Laco said, by his short wife, of 2 Evils, the lest is to be chosen: So if our brother be bad, rather let him have his fourth, then demerit his hate.

Though the dog bite and the horse throw us, yet we keepe them, and wee

fuffer Apes, Cats and Lyons, though fometimes harmefull.

Winking at faults in company is ulefull; when wee would not displease, though it be not so honest, yet for avoydance of further Evills, it may be to-

We must be our Brothers Friend, not his Judge.

Blood, 3 Our bond of Nature is to our kinne either of Or (Marriage,

both galling offices of love proper to the family.

Amarriage fealts.

Pumeralls.

Under Godico parents, whi challenge of us

1 Citizens. ansawy As particular respects va-The civill bond of love is to 2 Countrey men. ry, fo this order va-It is the engaging of man unto man in heart began by use and acquaintance: It acteth as one Soule in 2 Bodies. There are two branches of it? Indeavouring the best for another not for his Sarmenter Cowne but the others fake, god ada The maine motives of it are the a goods 2 Profit anniable about on a Pleafure (are the simes of Figure 2) Houcity. Pleasure fare the aimes of Epicures loves as they are diverse, and fancifully to a Profit of fuch loves must be. 3 Honelty makes love more fetled it appeares not as Alcibiades changing his coat to the fashion of the Place, but as Socrates keepes his tenor, one and liminia I Affecting: This love gets his growth by 3 knots 2 Acquaintance 10 siswood the quantity the months of Trufts and 1. The Twine to winde and falten it must be a Refemblance of Manners. Motives to make me affect one I fee him fympathize with my Joy Befreinding Bruus. 2 He accounts my friends his, and my enemies his; So Cicero loved Appins Pulcher for Brueus his fake, and by it bound Brueus the more to him. 3 He is pleasant-hearted and Jesting: If I jest with him he takes it not smill. He reports well of me behind my backe, and rather in secret shews his mind then in publike it should be told me. 5 He delights in my Company. 6 He goes neat, but curious in apparrell : this was Demosthenes and Hortensins his tricke to get them favorites, when they first began pleading.
7 He lives peaceably with others, which perswades me, hee will doe so with mee too. These things may move affecting in Flatterer may doe as much. Motives to moove me to acquaintance. He reports well of me before mine Enemies, and if they except, he defends a I fee him honestly given not giddily. 3 He doth me a good turne, to it be no prejudice to himfelfe. He is no bufie-medler in my matters.

He overthwarts me not in talke, especially being eather serious or angry. 6 He keepes the 7 former motives without diffimulation. These move acquaintance, and I would trust him in matters obvious, and ordinary, but in things fecret, and neerely touching me, I may not unlesse he had Wisdome joyned to his Honesty. Motives to move me to truft him. 1 He hath all the 7 former circumstances without diffimulation and the 6 latter with wildome. 2 He is wary, that he be not felt by others to open himselfe by Ignorance.

3 He doth me a good turne though to his owne Prejudice.

4 If I have wronged him, he will not revenge it, though having opportunity.

He suffers wrong for my sake.

He discloseth to me his heart, opens his faults, sheweth me his hopes and

This makes the uplhot of love, and the Bond of Friendship, As the Diamond engraves the Diamond, and fire encreases fire: So his love encreaseth my love

and makes up an Lloion betweene uses of in The civili bond of love is to 2 Consensible and a somb shints or veo man in beatr began by the and acq le affech as one Soule in a X. of Defires be 2. Passion. aid not son restrent and flod and grimmer about a it to conform down amount of the flore is the stoppe, and seale of love; it addes we hemency to our affecting. The object of it is some pleasing good; The issue delight. Goods are made pleasant mited as either by { Nature of a sevision on am and T D By nature ane fuch as in themselves have no Paine. somis of our confinely a By Custome the hunts-man affects the cold winters walkes, and the student leveth his watchings, and they are definable, to him, though in themselves painfull, but are pleasant for the End. Defire is partly with Hope, prise of A without hope, support This love gets his growth by a knots The thing defired be within compaffe of attainement we raife up our powers within, and watch helps abroad to gaine it, then defire is to yned with Hope, If it be not likely to be gained, it leaves hope, and spends it selfe onely in Thus we defire Mines of Gold though there be no hope or expe-About Defire arethefe Tenents. 1. This a note of want, and Impotency. Thence the coverous are faid alwaies to be wanting in their greatest Abundance, ed ym brigladam 2 It is never but with griefe, till the thing be obtained, and in the attainement it ceases. Hence it cannot be in God, seeing in him is no Want, Griefe, or Passi-3' We cannot desire things, we know not.
4 It is limited onely by satisfaction; without it growes eager importunity. It is grounded onely upon Sence: Angels properly have it not, nor Plants. 6 It appeares first in bealts: In a more pregnant manner it is in men, seeing in them the sensible part is more various, as having opinion to float and to cast their defire to infinite refolutions which beafts want. (Proper, i has a lastification stollad and to flow an advance) Defire is either (Improper. The Improper is an Inclination to the regaining of a Good; this is called Appetitus naturalis, by which the Earth beareth downeward, the fireupward, and it appeares in all naturall bodies. 2. The Proper is in men principally. (Reasonable part, 1 Tori smalou This is for the bettering either of the Csensible part. r For the reasonable, there is a desire of knowledge naturally in-grafted in the hand to pany to be being For the fenfitive part, the defires are Meats. Naturally not necessary, as Venery, which though it be necessary to man in Specie, yet is not to this or that man in Individuo: Neither naturall, nor necessary as are all Phantafies and conceited Appetites. The 2 former are common so men with beafts. The last comes by an Opinative apprehension of Colourable goods, it opens it felfemost in excellent things: It growes boundlesse and infinite, for as opinion is infinite, to these desires broaded and hatched by it must be infinite.

Fancied

Pancled Delires are, either { Extraordinary. in blog admi guidant Ordinary. The extraordinary are caused by diseases, as the cholerick desires honey, the Fever-sicke wine, others cate chalke, coales, &c. or are incident to great bellies, whose longing proceeds from a raw cold Humor: If they faile of it, they either endanger themselves, or their infants; it comes especially, when they travell for Weriches. The Low-countrey-women of all others are most given to thefe defires became of their coldnelle of temper. The ordinary ariferb from voluntary Passions. They bend eft er to Pleafure. The defires bending to Pleasures are mainly to footh the five fenses. These are craving and excessive, all joyned make up luxury. Cleopatra in her voyage to Ambony had all these adours for her finell, musick for her cares, cakes for her saft, colly hangings and fost pillowes for her fight and touch, hand said T The like was noted of wincome in his warres against the Romans. The two feeden that luxury & Tenthing.

feedes to please, are & Tasking.

From these arise two im- & Lust for Venery. & Meats.

portunate ones. & Liquorousesse for & Drinks. Lionnu Lib. The exeurtences of both thefe are a certaine figne of a corrupt, lewd, and imtemperate foule. Luft is in beafts, but exceeds in men. 101 and Bettles lave it butiat fet times, mehat their pleafure, ad Libitum. Bealts have it leffe violently, men, to, that many have wrought their deaths for it. Lerout nemo The onely way to allay it. S. Right reason. and control of the said Our caveats against it must st Words. ... where a los in a safe 3 Geffures, soon of a suit between 3 go Meater of a bonner ground to se be to avoid wanton It never admirs moderation, and warrantize, but onely in the bond of Mar-Liquorousnesse for meats and drinks aimes not at necessity, but pampering: thence it cannot be truely in beafts, who feed not but for hunger. Eating overmuch. This Defire is feene in us, either Infeatonably at all times. Feeding rather on delicates, iw Aloche of stago you then frong meats. It is Same a's faying of the Belly : Parve contentus of, fi desilli qued debes non Defires aiming at profit \ Wealth, as Covetoufnesse.

Honour, as Ambition.

Covetousnesse is for the Purse, it gapes after money, either to have it only in possession, this is Parlimony: or to have it for Use and purveiance, not of natire, but of superfluities; This defire may be termed Vaunting, or oftentation. Parsimony is onely to have, not to use; It is the truest note of poverty. Plutareh. Increase rather feeds, then allaies it: hee that still drinks, and cannot bee fa-tisfied, needs rather punging, then filling.

These extert from others not to benefit themselves: but wee rather have the Viper, that ftings onely to kill, then the Beare or Lion, that kill onely

They make others to want: yet themselves are like the Bath-masters Asses, that earry on their backs the Rubbers and the cleaning Towels, yet they themselves are all miry with filth: they never profit, but by their death. As a kind

to ast on any I had ile fin

of mice feeding in the gold-mines eate the Oare, yet redeliver it not till they be exenterated.

This defire growes infinite, and arifeth from 3. heads.

Imitation of them, whom we fee to profper and we wish to be as they are. We make Wealth our End, not our meanes Concupifcemia finis folum infi

nita; meanes to Ends are bounded, fith the end is beyond them.

Riches are for Use ; they are not of themselves good : As man cannot bee fure of his estate; but hee may require helps from them, and as losses are ever imminent, so riches are ever desired for prevention: Desire of money for Ostentation aimes wholly at superfluity: if at necessaries, the poore might equal the rich in this Kind: And Diogenes might by this as well vaunt himselfe in his Tubb, as Alexander in his Throne. One came to Scopa Thessalus, but to beg some of his supersuous stuffe, his answere was, That the grace of his Wealth was feene in superfluities rather then in necessaries. If Ismenias at Thebes, and Calling at Athens both the richeft of their times, bare no greater port then Epaminondas, or Socrates, wee might termetheir Wealthblind, and heartlesse: Therefore Telemachus in Homer passes over Nestors houshold, where all was frugall, nothing superfluous, but amplifies in rich termes the gaudie and costly furniture of Menelans

This Defire ends in expence, as the former in keeping.

They are opposed as Logicke and Rhetoricke, the one refembles the hand in

fpreading, the other in clofing.

Logicke is for the Covetous to learne to count royouas computo. As Rhetoricke for the Wanter to vent, and atter himselfe: this is the chiefe factor for gaines both to antique, and moderne pleaders.

Ciceroni nemo ducentos Iam dederit nummos, wife fulferit annulus ingens, &c.

The way to Rop both these golden desires is contentation in our present estate: this is called by Socrates the Soules riches.

Brevissima ad divitias per contemptum divitiarum via. Defire of honour termed Low and competent Honours.

Ambition, weither of Highest and best It ariseth from two heads.

refumption of our owne worth.

2 Pride over others.

The abates of it are { Hamility in respect of our selves. Charity in respect of others.

As wee may not meerely want this defire, so wee must not let it exceed in us; the excesse breeds envy in all; the defect is faulty onely in those, which have desert, occasion, and fit meanes to gaine their honour.

Men of worth to extenuate their goods, and gifts, when necessity requires their triall, is to bury their goods with them, and to wrong the Weale publick.

This defire in the meane is onely allowable.

If it bee of lower Honours it is termed Modesty, if it perch to the highest, it is magnanimity, and is onely for great hearts, and the best perfections.

Both these are grounded on four conditions.

- That wee challenge no more honour, then what in the opinion of the best we have deferved.
- That we get them by lawfull meanes, not by out stripping others.
- That we rest without seeking more, having gotten the former, and do a

Unlesse they be { Easily offered. Forcibly put on us. That wee keepe our Place, and defend it against all back-biters, and mur-

verte jor . Satie de cupiditate ferandà Paffione, ett el 260 minis no vitue 18

to execute all miry with files: The never for air, but

cace a cannot be emely

Spera

rouselle joyees colling, the worlds es XI. Of Hope the 3. Passion.

S Love and Defire is { Hope to affect good, fo } Boldnesse } to prosecute it. The 2. former come from the concupifcible, as a lord to will. The 2. latteras a fleward to purvey, and proceeds from the Irascible.

Love is the base to Desire; so Hope to Boldnesse. It is al waies the apprehender of Good. The goods must not be in presence, but in future. It must be of a thing not easie, and without search, but hard to compasse. It must not be so hard, but it must apparantly be in possibility to attaine.

It hath these Tenents. It is never without affurance, though not of the thing, yet of perswasson. It makes us take delight in things painefull.

The surer the hope is, the greater is the joy, when the thing is attained. It brings fecurity, and barreth feare. The adjunct of it is Expectation; herein is some griefe sich wee yet want the good, which we would have in presence. It is a note of imperfection of being : whence it is onely for this life, it goes not beyond. It moves our powers of Body for atchievements. The Persons given to Hope are, They that either have deserved, or intend to deserve well of us. They that have potency of friends and belt meanes.

They that have hot and quick spirits, which enlarge our hearts to attempts.

Hence young men, and drunkards are most given this way.

They that have potency of friends and belt meanes.

They that have potency of friends and belt meanes.

They that have potency of friends and belt meanes.

They that have potency of friends and belt meanes.

They that have potency of friends and belt meanes.

They that have potency of friends and belt meanes.

They that have potency of friends and belt meanes.

They that have hot and quick spirits, which enlarge our hearts to attempts. Old men are least hoping, 2 For their experience of many dangers, and stoppages, which contrary, and crosse their 4. They that quickly apprehend the good, but fore-cast not the stoppage in the way, that hinders the good: Thence sooles, and inconsiderate persons build onely upon hope. The kinds of Hope Hope is either 2 Supernaturall, or the Supernaturall.

Theologicall. The Supernaturall is a Vertue onely infused by God. Faith their on carlett disa The fecond fifter to Charity fielial familietangers The Naturall is either Proper.

Proper.

Improperly it is in bealts: As the Dog forings the Deere within compaffe of attaining, hopes to take him: So the Hauke the Partridge.

How should bealts have hope, fith hope comes from the Understanding? Bealts have their natural instinct which proceeds from God, and understanding without them: by it they judge of shings inture, as the Emmot forestees the cold Winter, Mice leave the house, when it begins to fall, and Raveas oft foretell weather.

Hope Proper is in many actions. 2 The Naturall is either & Improper. Object. solut.

Hope Proper, is in men onely.

A Samme of Moral Philosophy.

It is either of things \ Necessary, that must be. Possible, that may be otherwise.

Things necessary are hoped for: as the Jewes calling, the worlds end, the Refurrection, which cannot be otherwise, because God hath appointed it.

Things Possible are attained { Partly by our selves. Partly by others.

Then our Hope relies much on others helpe. Motives to raise hope.

Shew the meanes to be ftrong and pregnant,

That the evills feared are not in proportion to the goods expected.

That to men of religion wee must not urge the generall onely but the particular providence of God.

4 To grave men use rather few and strong reasons, then many and weake: To the common fortule probabilities rather of circumstance then realities of substarke, because of ignorance they are led most with conjectures.

Satis de Spe 3. Paffione.

XII. Of Boldneffe the 4th Passion.

B Oldnesse heartens our Hope, as desire doth our Love.

Its object is mixt { Evills to be removed. Goods to be arrained.

It goes under the name of Conscience and Courage: It begins with reluchance, and strugling, but ends with Victory.

Courage is either & Suddaine upon Sense.

Deliberate upon Reason. That upon Sense grounds onely upon a presuming hope; weighes not every occurrence of danger, begins with resolution, but seeing dangers arise unlooked for, slacks and often failes, before it overcome: Thus quicke in the onfet, but flow in the iffue.

That upon reason begins slowly, endeth ventrously, viewes every circumstance, fore-layes the uttermost of dangers: If it happens lesse then his account, it heartens him the more, hee refelves to conquer by out-facing danger.

An example of both is feene in Lucius Paulus, and Terentius Varrothe 2. Roman Generals at the overthrow of Canna.

Courage hath his two extreames Heady rashnesse.

Base cowardize.

The parties most couragious are. Whose temper of body is such, that they are hot spirited; which happens in three forts of men.

Whose heart is little, because of combring and closing of spirits, whereas in the larger hearts their diffusion causeth feare,

Whose lungs are greatest and fullest of blood; This argues plenty of heat

3 Who are heated with much wine: Thence the German used it principally in their confidences of Warre: And Alexanders drinking was thought to adde somewhat to his courage.

They that have many and ftrong helps, are ventrous.

They that be most subject to choller.

They that rely on Gods promifes, and cast their hopes upon him. Hence it is that Martyrs are most resolute.

They that have a conscience of their innocency : on the contrary they are most fearfull, which have beene most injurious.

- They that have oft escaped dangers: hence old Souldiers are more venturousthen fresh-water-men. 7 They that fee not inconveniences, and ftops: Hence the wifer fort are more cautelous, and none to desperate, as he, that fore-fees leaft. 5. Motives to make couragious. I Shew the excellence of the Victory: the meanes eafie, and prefent that
- must compasse it. 2 If our equalls and inferiours have overcome : why fhould not wee hope
- the like? It was Cicero's argument to perswade the sufferance of evill. If children at Sparta could endure fricakes without groaning, why should not men? And amongst men if the barbarous vaune before their enemies, why should the learned tremble?
- 3 Set them into anger: this makes a boiling of their blood, and by confequence courage: Anger is wrought by laying open their wrongs and dilgraces offered without a cause.
- 4 Shew the Paucity of their enemies, Will not oppose them.
- That in former combats they have had fuccesse, and why not in thesestanding in the fame proportion

Our maine worke must be to { Perswade hope.}

Ins roeft deli no or Batis de Piduris 4 Paffione. .29cids

Fudama wifined to bee burned with Phaeran. To be might than I neere the Sunae to contempianoish S. 46, 3dt 3rulas 1970 in. LILE not his drawing of

ines, till a fword was drawen brough his ber His is the aime and up-thot of the 4. former Passions, out to commend Defire are like the qualities of lightnesse in fire, which inclineth it to make { Hope Boldreffe } like the motion or paffage of it.

Pleasure results as the quietnesse and rest of the Soule in her object : it is never hearty before the goods are in presence.

It is generally in men and beafts ; it is rearmed properly pleafure, or delight :

As it is in men by opinion, it is called Joy, Gandium.

(1 Enlarging the heart; thence properly it is called This in men hath 2.)

(2 Forcing outward geflures; and so it is called Experience of the second second

The tenents couching it are some out for it and be

- 1 No Passion is so vehement , Sorthat many have died of it; the reason is because it opens the heart, and being overmuch passes out the spirits that keepe g which is in roffible we is ould live; And in life.
- 2 The greater joy, the greater content, and in mon it is the confequent of happinesse.
- It is never trve, and of continuance, but where there is peace of confeience.

It is the adjunct of Vertue.

It is increased by variety of objects.

It purifies the foule, helpes concoction, expells superfluities.

Hence the metry have Good wits.
Faire complexions.

It is for goods present: though wee joy for remembrance of things past, or for hope of things future, yet they are apprehended by us in a fort of pre-

Motives

missi thent fest m

Motives to raile delights in a man are, 1 Perswade him to a \ Love \ of those things, wee would have him de-2 Marke his inclination, fort, profession, and frame your selfe to the like practifes. nette compo Amplifie the goodneffe of the thing, we would have him delight in, not by describing it in groffe, but viewing every particular: Thence Poets in their lovelegends describe every part of their Mes the more to delight. Shew the continuance of this Joy, that it breeds not after-repentance. Variety caufeth delight; and uniformity raifeth loathing. bush as as as hade Pleasure is Common to men with bealts.

Pleasure is Proper to men alone,

That in common is the iffue of Sense, and comes from a natural appetite.

It is Positive for the avoidance onely of troubles and a proper property of the sense of th This grounded on two five The attaining of a good convenient, conditions, viz. on 2 The perswation that we have attained it. 20 That proper to then is voluntary and hatched by Opinion and of the It is ei- \ Mind, or \ The pleasures of the mind are best, \ Prone \ take deter of \ Body. \ yet all not warrantable, as the \ Malicious \ take delight in the passione, yet their minds are corrupt: these begin in hope, but end in shame and griefe. The trueft delight of the mind of Medicarion on God, and heavenly things. without repentance is 2 The view of learning. Eudoxia wished to bee burned with Phaeton, so he might stand neere the Sunne to contemplate the nattire of it : "And Archimedes left not his drawing of lines, till a fword was drawen through his body. Pleasures of the body are sensual, and quickly exceed Measure The properties of them are

1. Inconstancy and fleeting.
Saciety, and cloying like rancke meat.
3. Ending in repentance.
4. They quench the thirst no more then falt-water, that the palate, but inflames the stomacke. They are perswaded by white enemies, Figh. Bevill. Apparent Joy for future, and reall paine. The Worldlings take ? Prefent The good had rather fuffer heere, and play hereafter.
Senfuall pleasures proceed from the diverse affecting of the Senses, as muficke, and odours affect the eare and finell, pictures the eye, &c. The strongest delight comes from the Sence of touching. The reason is, Delight is caused of Love: we love those things that most besteed us; of all the Sences touching is most useful, without which it is impossible we should live: And as the goods affected by it are more deare; fo the pleasure, when it is attained, must be more

These bodily exercises in their Excesse distract the minds, and hinder the

It ournes we tout e, by passes on the control of the first districts. Liver boot izakinios saudi

efor there are the grammer versions and sponehended by as in a force? pro-

use of right reason,

They senied To some commercial were selvented of the property of

XIV. of Hate and Detesting.

Market Carlotte Commencer	
THele are the two opposites of Love. Have begins the dislike, detest-	
	-
The object of both is evill: his work and and light	
It is either of the Person.	
The thing hated principally is finne, and for it we diffike of the Perfon	
Sinne is against Nature, this breeds Moralites Sith all partake of na-	7.
Sinne is against) Nature, this breeds } ture, and are bound to	
the law of) the man of the lawes.	
(3 Grace, this breeds the hate of Christians,	
2 The Person we may not simply hate. It is proper to	sene
Vbicunque homo est, ibi beneficio locus est.	
At a rate of self-paramone (1. Incligion towards God. 121821	
Three heads of finne move hate Injustice towards men. A felfe inclination to evills without out-	
offer in the strange of ward motives.	,
If these heads grow stronger, and are done wilfully, it transcends hate, and	-
moves detellation, and and horse many and e	
The principall object of it is Atheisme.	
It is the ground-plot of all other sinnes. It is an evill of Will, not of Understanding; were cannot alledge igno-	-
rance for that, which the creature reveales. It is voluntary prefumption,	
3 Atheists are most unfit for Society, and has sait floor analyzed at I	
1 Great men offended withus	
Their commerce is either \2 Impudency. History of Short main by a 1	
3 Vaine to a tail y liber of the flood of wall g	
of that constitution, as is most contrary to wildome, and motall gravity:	
(To common against Access	19
Hate is either Particular for private respects.	
Their religion be in oppelition to ours.	1
That in common wrifes, if Their lawes be against nature. Their oft injuries done bee without hope of	
	1
They that are tathering of the same of the Againg are the same of	
a Hate for private many, as many, as Extentioners of the	
respects, is)2. Against a wronger of himselfe onely for the indignity	
of his perfect of your all the side demands of his at	
fron. Andrew and Dolate Downston State of the state of th	
This is ict downe by its life 2 . Nowards haraleles and benevities and : mid	-
His entry into the world is shamefull, his stay, and departure hence with	
mifreport, like a fouffe leaving a flincke, when the light is out and good to	
Clausing sidner O - Boing my mare a bine	
Sais de odio, de datefanteme, anis 1	
(* 1 million and mark and parts.	
1 Theformer is franch by the best man.	1
of The partie anothered are:	
They, whole quantity of heart is high charit diffined, the foid as	
the their services as well from at a state of the services of	

XV. Of Despaire and Feare.

Hele two are op- | Hope. polite to Their special Art is in avoiding the future evill, which seeing they cannot master, they yeeld. Despaire ariseth from faile of helpes. Feare from the imminence of evils. The renents of despairs are 3. It dejecteth the minde. It is deepett in them, who before had greatest hopes. The tenents of feare are 3. It is never moved, but where some spice of hope is, for things without remedy rather despaire, then feare. The greater the things feared, and of longer continuance, the greater is the It arifeth from 3. heads: 32 The great neffe of the danger. Feare is either of a Person it is either at Service which is properly love. The persons mol feared by us'are 202 to talkin from Great men offended with us. __mfico2 @ }
Lewd men made powerfull. __yound __ realist is extracted hier They who fland in bodily feare of first V E
High from the wronged by its of realist hands a second in the realist ments. It was a point in the realist ments. It was a point in the realist ments. r As in the hifely er findhere. . Saine Divore refpeds. We feare them either a Tobe provoked by a Threats.

3 Danger on their part. IT is their part of the province of the part of the part of the part. It is the province of the part. Persons not much to be feared are:

1. They that are some angry, and some pleased.

2. They which spen themselves too much inmenaces and threats.

3. They which spen themselves too much inmenaces and threats.

3. They which spen themselves too much inmenaces and threats.

4. Want of service on our part.

5. They which spen themselves too much inmenaces and threats.

5. They which spen themselves and threats.

6. Things fearether wills selves and spen fact threats.

6. Things fearether wills selves and the whole man, or bringing either

6. Things fearether wills selves and the whole man, or bringing either

6. Things fearether wills selves and the selves and the man, or bringing either

6. Things fearether wills selves and the selves and threats. 2 Baine to any part of him. Evills are of { Sinne, man 2 Punishment, malum pone. The former is feared by the best men. The latter is feared by the world. The parties most fearefull are: They, whose quantity of heart is such, that it diffuseth the spirits. The

They, that know their owne weaknesse, and others ablenesse to hurt.
They, that amplific on the evills feared. at if The parties leaft fearefull are, property blais moved mate gried The { Wife, } who count { Sinne, Just they endeavour to avoid. Digrace, } which they endeavour to avoid. Or dended they are most The most couragious. They that preferre honour before their lives. They that have frength of meanes to backe them. Satis de desperatione, & metu. XVI. of Griefe. Riefe is the end of the former Passions, and ariseth from the presence of Livinus Lib. It is of \ Body. That of the trinde is more dangerous. The tenents of it are: It never touches things of absolute perfection, as God, Angels,&c, but is there most frequent, where is most plenty of evills, as in hell.

2 It drieth the body, and ingendreth melancholy by cold blood. It makes one unfit for Action. It growes upon us by \{ \frac{1}{2} \text{ Yeelding too much to pleasures.} \} \text{The work of the present.} The way to refut it in our felves 1 Propose to your selves examples of Patience, as of Marine. Ita tulit dolorem; ut vir et ut homo majorem ferre sine causanecesarià noluit. 2 Resolve to resist evills. As that Souldier, that stands it out, often winnes, when the coward dies by flight. Animi contentio Sola officij tanquam cuftodia. That the evills now are not fogreat, but the goods enfuing counterpoils The way to allay it in S Perswasion of a good to come. The benyon others is comfort. Removall of an evill present. In it are two things.

The time to apply it, when the griefe is ripened, not newly begun: As Surgeons first let the fore loften, before they begin to draw it." The manner of applying it is Speciall.

The Generall by these places. It calls blood and the face Shew how greater evills have happened to others, then we now fuffer. It was Sociated his faying. If of all mens evills heaped together all should have equal share, each would rest content with their present estate.

Our evillabe ordinary, and doe \$1 Cares of minde.

what we can, we shall have \$2 Disases of body.

If the thing be revocable, shew the meanes of regaining it; if not, yet it is a folly to mourne fonit.

That God fees what is better forus, then we for our felves. 2 The Speciall is according to the maine motives of Griefe: There are { Temporall misfortune.

Temporall

If we grieve for the dead, then either, because they are not, or because they are in torment; If they are not, why grieve wee arere for their now not being, then for our children yet unborne; If they be in comment, it is feene, they were evill, we were the better rid of them.

Of deaths they are most { Suddaine. }

Against these our comforts are 3.

We ever beare Corruption in our fields, that in a moment may kill us.

Dying young makes us leffe fixt to the world, and fitter for God & and may vios. Hee calls us hence as from a banquet, left overmuch fitting should make us surfeit.

3 The thing cannot be suddaine, sith we are ever liable to evill. Wee ought

ever to expect it,

Our comfort for temporall misfortunes.

They come from Gods decree, and so are necessary to fall on us. They are profitable tinto us, and debarre our insolence.

They may befall any as well as us.

Shall we grieve ever of leave at last? If ever, too great a milery we impose on us: if we will leave, why refolve we not at first?

The persons most given to Griefe are 3. Whose temper of body is Melancholy. We omen, because of their estinetic in yeelding. They, who have given themselves to overmuch Joy. This falling must end in depth of griefe.

in John die Tour San de dolore.

Italovero telle coffentafonnale for . ITVX stere often winner the converte pies by the

Tis a mixt Pallion 5 Feare of infamy. al son sea won allers of the 2 Love of Honesty. joyned with It arifeth partly After a fault. fore a fault.

It is onely in good natures, but unitedity, foone failing, and easily revoked by countell. It is commendable in youth, but not in the aged.

The effects of it are a.

It moves to vertue, thence termed Purpling virtueit.

It calls blood into the face. Realon and Passion move the heart; the heart,

she spirits, the spirits the blood.

Now shame consists for Feare, that gathers blond to the heart.

of 2. Pallions 22 Love, that sends it abread to the outward parts.

If wee feare onely disgrace, and have no love to good, our blood keepes within: This is the signe of a bad nature, which being convicted of faults lookes not red, but pale in the face.

If we feare not onely diffrace, but love and defire amendment, our blood spreadeth ontward, and canfeth blushing. Aristoster his daughter being asked, what shee counted the fairest colour, answered, the raddy canted by an ingenuous blufh.

It is a note of the best natures, and fittest for counsell.

The reason why the blood sheweth it selfe most in the face is, because as the blood is moved by the spirits, so the splits are most quicke, that animate the organ of sence; and the organs of sence principally are about the face.

The expression of shame are

[1] Impudence, the detect of shame.

Bathfilneffe

Bashfulnesse in it selse is not evill, but may often be a pronocation to evill. It is grounded upon an overlenity of nature, and eafinefic of yeelding. The object of it is feare of infamy. The persons whom it may hurt are 5. i Young men as leading them to an unfetled and floating carriage in manners. It makes them easie to suitors, without respect of their choice. Incontinent persons; it makes them unable to resist evill motions, though in the yeelding they grieve at it. It debarreth their courage in punishing faults, and makes them loath to dif-They which are rich, powerfull, kind-hearted, and have many helps to further others. Declimention of Co It makes the rich { Rash lenders. (I Follow the riot of bad company. The kind-hearted by it either 3. Beare falle wienes for their acquaintance. The powerfull have many fuitors, and by it are made easie to yeeld to any demand, and prefer without election. The way to barre it is to acquaint our felves with refiffance to motions, denials of fults, if they be not honest, and convenient, but hurtfull to the granter. The inhabitants of Afia were all flaves, because they could not pronounce this word And Bruts faid:
Impudence passes not feare of infamy.

The difference betwirt it and bashfulnesse is, that the bashfull retains a love of Wertue, the impudent doc poti en someil driw bangot ei sonetnogo Satis de pudore. en "o the or wife X VIII. of Repentance. Repentance is an act of conscience arising from the thought of an evill done. What it is. 1 Theologicall, because of offences done against the law of It is either \ Morall, because of things done against the law of nature, or Repentance theologicall is in Christians alone.

a Morall is in Heathers. I Infamy. It is raised by three motives, 52 Punishment. Hate of vice. That arising from feare of infamy, and punishment is flavish, and incident to the most. 2 The best repent for the hare of vice : For as they love good for the good, not for reward; fo they have evill for the evills fake, not for the punishment. The parts of repentance are two { 1 Hate of the evill done. 2 Resolution of amendment. (r By contrition of the heart.

It is descried three wayes > By confession of the mouth.

Its properties are three.

Repensance mint be with vehemency of griefe, leaft while our griefe for

(3 By fatisfaction by good workes.

the fault flackens, our care for amendment flackens alfo. 2 It must not be for a time, but for continuence, fith evil is ever to bee hated, and good ever to be refolved upon.

To must not be deferred least delay breed custome of evill, and custome hard-It makes them cate to futors, The Rope of repentance are 7. and rag management Shame to confesse our faults, or pride in not acknowledging them. Hope of long life.
Despuire of obraining grace: book that your quit and the world Prefumption of Gods mercy. Knfh lender .. Long cultome of finning. Examples of bad men, which have long flourified, yet never repented. The tenents of repentance are 5. Repentance cannot be in a nature meerely good, as God, nor meerely bad, as the Devill', but in fuch onely as are partly good, and partly bad, as in men.

Thefeare Good by grace; hence they offend.

It is onely in things that bee to fall: Beafts have it not; those actions are not voluntary, but necessary, which cannot be repented of the outer of the actions are not voluntary, but necessary, which cannot be repented of the outer of the committed: thence children have it not. It groundeth on hope: They that die desperate have it not, sith the desperare are swallowed up with griefe: The repentant receive griefe for the evill past, but joy for the future good, and future things more more then those past. Repentance is joyned with shame, as impenitence is joyned with implidence. sie de nadore XIX. of Pitie. Pity lookes outwardly to the eville of others, but by reflex to our owne. o It is mixed with & Griefe for the evills fallen. Griefe of mind. dene against the law of Evills that raile pity are 4. 2 Torture of body.

Danger of others death.

Misfortune in goods.

If they are so neere to fall, that we seare them.

The evills move most 2 If their then present falling barrer out expectance of The ground of pity is our communion of name. The extent of it is a defire to helpe. It is a real mort grait to sen! 2. conditions, [If justice permit. Grieving for facts as lawes and justice will have bandhed, is womanish. to the most. Por those we are not able to remedy, it is fruitlette.

The tenents of pity are 4.

The better nature; the more it is inclinable to it.

It is meanes to provoke charity.

It compares the cylli fallen with the defect, and concludes the person unworthy to furfier it. It brings us to acknowledge our owne misfortunes. 1 Old

Old men partly \ As not being to from sekfull, as the young. As having more experience of dangers. 2 Weaklings Women they thinke for their infirmity, they may foone Children fuffer the like.
3 Schollers, as being by bookes acquainted with many examples of dangers. They that have felt former evills, and now are rid of them. They that have opinion of anothers worth, they count it below his deferts to be in evills. The parties least pirying are 5. Who are most given to { Anger. } they recount not the evills that may be all them. Scoffers and they who are ready to wrong others. They that are in extremity of diffresse: As in Cities belieged, parents eate their owne children; whereas otherwise they used to pity them. Their care is for the remedy of their owne harmes, little for others: thence they that feare imminent dangers, pity not others, but care for themselves. They that are in height of fortune not likely to fall. Thence typants and rich men pity leaft. 5 They that have prejudice against others behaviour, what befalls them, they count it desert, and doe lesse grieve at it.

The persons whom we pity most, are 4. Acquaintance rather then ftrangers, same ratio or bound end medit and and Yeares. Stanto 2 Manners. 2 Our equalls either in 3 Profession 4 Office. The many manual bully as you was a (5 Stocke. They who fuffer those evills, which we our selves feared. Men bearing their 1 Patience by it we count them unworthy of them, harmes with 2 Courage and fo pity them.

The way to raise pity for others. Shew the valour, and the worth of the person that suffers. The grievousnesse of the evills befallen. 3" The like may happen either to them, or their friends. Conscience of a mansowne case moves it. about 1) be well then is not a on the ward Boots XX. Of Zeale and Tealoufie. Wealth. Eale is a Pallion grounded on love.

It is mixt with 1. Griefe for a fault committed.

2 Defire for a good intended. It borders on repentance, and is the iffue and effect of it. It is ever with fervency: It is most dangerous, unlesse it bee regulated with knowledge. If wee delight in one this grammer The former is in the belt, who are zealous of good for goodnesse it selfe: The latter comes from the respect of a person conceived in the behalfe of one we love. It supposeth { Wrong done to our friend or griefe for it. Icaloufie is a paffion conceiting an evillin another, that pethaps is guildeffe of it a it comes onely by conjectures a population air airot would we It proves often injurious

It breeds trouble in our felves, and diffrust to our friends. The way to barre it is , not to skanne the actions of others, but with a favourable interpretation.

erish beid midd a time XXI. of Anger. migo sand

A Nger is a compound of fundry passions: As v. Pleasure in revenge. 2. Griefe in recounting the wrongs. 3. Infolence in overbearing. 4. Envy in repining at the welfare of others: The proper Act of it is defire of hurting.

The Tenents of it are 5.

r A fust injury requires as just anger: and it is supidity not to be moved

2 It is not best against men in generall, but to some in special onely. Thence
Timos is not said to be angry with all but hate all.

3 No passion is more indiscreet then it: thence it is ridiculous, and to be con-

temned, none more violent, thence terrible, and to be feared.

Being moderate it whets Valour; but over-earnest it weakens revenge.

To bee faddainly moved is a figne of weaknesse: hence it agrees more to the ficke, then the found, to old folkes then to young; and to Women.

Semper & infirmi est animi exiguique voluptas Vitio continuo: sic collige, Quod vindista Nemo magis gaudet qu'am sœmina.

1 Vexation of minde. Adjuncts of anger are their views Ignorance of his owne strengt Undecency of gesture.

Wrongfull opinion of others. Ignorance of his owne strength.

The causes raising it are

re Speciall.

1 By derifien in words. (Body.

2 Injury in deeds, as Goods.

Name. The generall dif-3 Ingratimde for good (1 Friends. respect shewed 4.

wayes. 2 Authority. Want of due obser- 2 Inferiours 3 Wealth.
vance from our 6 ther in 4 Vertue.

The speciall are according to the nature of special persons.

If wee have too setled a perswasion of those wee converse with, if they faile in the contrary to our expectation, our choic risets. Hence credulity in-

Cariofity inflames it, if we bufie our felves too much in love, and frivolen matters : Croffes in either of them fret us. 11 31

If wee delight in one thing more then another, when we should ufeeither with indifferency: As in an houshold, if our stuffe of this fashion like as better then that, and we take pleasure in it; the lose or the millaying of it fretts us.

then that, and we take picature in it; the lone of the initial and it is remained in the manager in others.

The wayes to allay anger in others.

I gnorance of the initial and others in the initial and others.

Conftraint.

Suddaine paffion.

Michance of the initial and others.

I catoutie is a patient sid es livelist That it was done to our owne l

Shew forrow for it, for outfacing growes of impudency, that of diffespect, the nurse of anger.

by must not thinke to bee fingular in anyalismi safoqqu seined iou Diffemble our hadrifity, and feare : the angred by this are lefte prone to re-6 Seeme to bee ferious for his good, and overcome this wrong with other passages of kindnesse.

7 Speake not against men of his fort and quality though their persons grieve him not. Scoffe at none whatfoever, but be affable to all. Iforrates ad Damon. To beare anger in our selver she wayes are 4. Use no heart griefe, but Games. these are overbearing, and and disposing all hard; is Medicinents. gerothers, and god and Resolve to resist choler by not casily accepting disrespects. A suddaine scare, or griefe inexpected allayeth ones anger.

If a wrong bee offered, rather contemne the offerer as wanting wit, then thinke our felves difgraced by it. Bend our felves to a course paffion; as bornes with his friend laboured to looke filed pleasantly on them works work and the filed to looke the filed the filed to looke the filed to lo Persons most given to anger are 4.

Weaklings, as children, women, sicke men, old folkes.

They, that are ambitious, and standing for offices. They, that require much awe and reverence of others. They, that know their deferts well, yet are footned. The parties with whom we are leaft angry.

They who reverence us, which agrees they doe not differed us.

We cannot be angry with him whom we feare? fith anger implies hope of sevenges fearement are a solution of the so that are out of our reach. Satis de Trata de asigis inquil XXII. of Maligning. Sunning of the Marian of Maligning. His Passion bath 2. parts, I Envy, grieving at anothers good.

It is in the worst natures, and is opposite to common society. It is in the work natures, and a appointe the lame fort; hence wee envy nor those, that are in emineacy above us: A common Souldier never envies of examer; one of his neerest Captaines may also another the solution of the lame of the lame for the lame of the It eates up a mans heart by fretting at others. It ariseth from pride of our owne deserts. The way to avoid it in our felves is to thinke that there must not bee an equality of gifts and goods in all that as men are diverse, so they must have distinction of place; and if any excell, we ought not to repine.

News de poble	if not thinke to bee	fingular in any, sche:Law of th	thing, lith the e Ephelian, m	ho cherefor
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3号

It is best in the meane, and most of large, their was and and earlier it.

The former calls evill good, and breeds presumption.

The former calls evill good, and breeds presumption.

The former calls evill good, and breeds presumption.

The tanker control the best good as evill, and breeds algains.

No evill is to be committed:

No evill is to be committed:

with whom we deliberate.

Pefore the Vulgar our confutation must be an lived relationship off fits they are profited that way; before the librarium of our wild recognition of the mile gain of the Major is dearn and moral and make the librarium of the Major is of the moral and moral and make the mile and make the moral forms of the Major is of the moral and moral forms of the Major is of the moral and moral forms of the Major is of the moral and moral forms of the Major is of the Nature. The Minor ariseth from view of particulars, which are variable, and may often deceive; if our apprehension of them be false, our Conscience must needs erre.

Error of conference proceeds from these heads.

From ignorance, if we know & Chofen. The wilder the best and about the best good of Refulted to wilder the option of the best of the best

Negligence in not fitting out felves, and getting direction from others,

Negligence in not fitting our lelves, and getting direction from others, we finde our owne while, the arbord has anomalous good in vision and a strong of them as a strong of the strong o Indultry in & Defount Inscrees practicke. act utterly is finfull.

Onfultation is grounded on theft rules. The to he had an avoir or pail of

Things paft are not to be confided of, but things future.

Not necessary things, but contingent.

Things nothing appertaining to us are not to be consulted of.

Our consultation is either

By our seves alone.

By others.

Wee consult with our selves

2 Suddainly befallen.

3 If we have not a friend to impart it,

To consult with others \ Wife.

observe them to be | Paichfull. The question in our consultation is.

XXVIL

The queltion in our conjunction is,
Whether the thing be convenient for vs. and a land and a standard of the convenient for vs. Whether possibly to be compassed.

Cr Safe for us, not diffemmedious, It is judged convenient is Not against the 4. Justice. Pradence.

Temperance. Fortitude.

D a

Pollibility

Possibility of compassing it found out from view of all these meanes, wee must use in working that end.

The particular wayes of Consultation are post of Whether the things be profitable, or differentiable. Whether honest, or dishanest. When 2, profits are proposed, we question, which is greatest.

If 2, things be honest, which is most honest, the source of the When one part is onely honest, the other onely profitable, which is rather to be profecured. In Morality, the leaft honesty countervailes the most profit and is to be preferred before it: In Politicks our perswatten must be according to the auditory. with whom we deliberate. Before the Vulgar our consultation must bee most inclining to profit, fith they are most addicted that way; before the better fort stand rather for honelly and honours unidentificated that and another with a reject and Arine. The Micorambeth from view of particulars, which are varible, and XXVI. of Prudence. D Rudence is a speciall quality of a Moralist, being the soledirectresse, and governesse of all his actions and be as viole too good on a session It is onely in things ambiguous, and borders on Confutation to the obail as Choice. A Will a mission of the obail as the obail as the obail of the o It confilts in Fitnesse of application we are a rest and to a selection of a policy of the selection of a policy of the selection of a policy of the selection It confifts in The special rule of it, is silence in revealing our purpose. dr , but to the waies to get it are go going one all a will broth sw its Industry in { Disputing } matters practicke. of unterly is a william Bo Observations of mens carriages. Noting what effects proceed out of what causes.

Acquaintance with fundry Positive lawes, especially of our owneland. Using to invent much of our owne, not to stand strictly on authority of The parts requifice to prudence are: and or for man fing again to Memory for retaining experiences palt. others. Understanding for judging morall principles. This gotten by { Hearing. Inventing out felves. That wee may bee ready to heare is required docility, or readinesse to For invention is required, Saleria, a ripenesse of finding out meanes.

Learned, we must confer one thing with another,

Experienced, and discourse of the convenience of it.

Invented, Hence to prindence is required reasoning. Out of this discourse arise precepts for action and anish and add the Direction for for more at things. Direction for fit meanes to fit Ends. Hence is required Providence.

Weighing each circumstance of the businesses Hence circumspection is re-

Avoiding all stope and impediments: Hence is required caution for evill.

Fortirade.

XXVII.

XXVII. of the Will.

He feat of the Will is the Heart, where Passions reside: As the braine is

the feate of the Under standing,
The will profecutes what the understanding judges.

The object of it is Good : Of the understanding Truth.

Will without passion ch eoseth the true good : with passion the forged and apparent onely.

If goods bee evident, it affects simply without paule; if doubted, there is first deliberation.

It hath 2. parts, vie. { 1 Approbation, or willing.

For execution is commands Paffions.

Faculty of motions. in men

The former it rules by perswasion, as by an Aristocracy, or state regiment whereby governement is not fo absolute, but the rest may interpose.

2 The latter it rules by command, as a Lord over his fervant, without relent in the one, or reluctance in the other.

The tenents of the Will are 2.

It affects nothing, but what the understanding hath weighed first: and contrarily the understanding conceits nothing, but the will perswades; their offices are joint and mutuall.

2 It cannot be constrained being of greatest freedome and liberty: Though wee have not freedome of will, to come from worse to better, in matters of grace, yet in matters civill wee have, fith it comes from a common notion of goodnesse conceived by the practick understanding.

XXVIII. The formal causes of Vertue.

O examine this we en \[\] Nature.

quire what is the 2 Severall kindes of Vertues.

Its nature is to moderate the passionate part of the Soule: It is tearmed by Plutarch, A disposition of the understanding part, according to reason.

I Rules the passionate part, so tearmed vertue. This reason either Yeelds unto it, fo it nurces up vice.

Ariftotle defines it thus:

It is not connaturall, but bred by custome, thence termed Habit.

I Inforcive as the understanding, that compels us to affent unto an evident truth.

2 Of habits some 2 On choice, and præelection, and fuch a one Vertue is.

Præelection and choice may be of things utterly nought; as when 2; evils stand compared, and in competition: but the choice of vertue must rely on the meane for his Center; whereas evills spread to the extreames, and multiply degrees: Goodnesse acknowledges one onely point of perfection, The golden mediocrity.

Mediocrity changes according Si Time. If it were fet, and definitive In medio 2 Place. to circumstance of 3 Person.

It were vertue for all to use it alike, but the begger may not be liberall of his purse, though a King may; And Milo the wraftler may eate large meales, when

Defin. Habitus.

Præclectivus.

the weakling taking the same proportion may be termed riotous: The spittle of a man to a man is wholesome, but to a Serpent death: and what is vertu-ous to one, may prove a vice to another. This mediocrity is to bee ruled by judgement of each circumstance, which prudence must prescribe.

Directions how we shall attaine the meane. Of the 2. extreames see which is most opposite to vertue, and avoid it.

2 Sift out the vice, our nature is most prone to, and labour to avoid it, by taking the other extreame. As a man being given to be prodigall let him labour to bee covetous. Ab extremo ad extremum non pervenitur nifi per medium. So wee straighten sticks by bending them as much the contrary way, as they are bent the other way.

Refolve to refift bodily pleasures, and embrace them of the minde.

2. The properties, and notes of vertue.

No morall vertue, but is placed 5 1 The excesse to be depressed.

betweenetwo vices. 2 Defect to be raised.

(1 Knowledge, Scienter, 2 Its ever in action, and the action 2 Perseverance. Constanter. must be with 3, conditions. Willingneffe, Volenter.

3 Delight in goodnesse is a signe of the vertue gotten. Sorrow argues, we doe it unwillingly.

Vertue is converiant especially 5 Griefs. 7 fith these are the grounds about the moderating of 2 Pleasure. 5 and ends of all the rest. It is exercised about the highest, and hardest imployments.

It is amiable to all men, even to strangers and enemies,
The grounds of Religion towards God.
Charity to our neighbours.

vertue are 3. 2 Cheriffing our felves according to reason.

God. The comprehension of all vertue is universall Neighbours. Justice: by it we yeeld our duty to Our felves.

XXIX. The severall kindes of Vertues.

Ertues are { r Common to all. either { 2 Speciall to fome person.

The common are requifite to all, though perhaps few have them.

They are either { I Proper, or full vertues. 2 Improper, or halfe vertues.

To our private good onely. Full vertues are directed either, } 2 To the good of others.

Our private good is gotten by the \$1 Defire. governance of 2. passions,

Naturall. Our defire is of things \ Adventitious.

Of nourishment: The vertue that tempers this is

I Naturali Of venery: The vertue that allaies this is Chastity.

The conjoyning of both is called Temperance.

Wealth; the vertue for this, is content.

Honour; the vertue for this, modestie, or a 2º Goods adventitious, as of decent competition, of what we deferve.

Our feare is allaied by Fortitude. 2. Vertues directed to the good of others are :

Juffice

Justice of Distribution. Deformaties.
Bestowing of gifts for the Smaller fort, Liberality.
2 Courtesse, and pleasantnesse of conversation.
Ca Vanacitie ou a habit of telling teath
2 The halfe and imperfect 3 Emulation.
A CONTINUE OF THE PROPERTY OF
2 The vertue specialito some persons is the Heroicall spirit, which cannot be
incident to all, but onely to the highest, and best perfections.
i It breeds quiet effe, and tranquillity of minth art
13 It is a token of a good nature; and wife different no know fulficiency.
It is a token of a good nature, and wife different to know fufficiency. 4 It is the trueft riche management to not to a Know the greatest pulcehor.
with defire to get more, is the trueff powerry. 5. Lessingered and all third for extent & correction of the content of the correction of
His containes Louching Drinks have cheir 2 Effects western
Excerte. Excerte. Say Chaftiry, tamer of lufts.
United the properties of Temperance, shall all of the properties of Temperance, shall be shal
2 To affect onely such as are lawfull, and honestery list or an absorbing time.
3 For attaining, or injoying them to doe (1) Health.
nothing, that may prejudice 2 Credit.
(1 Soundneffe of body.
Is Compath of understanding
Promptnesse of both, acquiring and exerci-
The best made to brane be fing all other vertues one obstate O
Excesse. Meane. Defect. Intermorance that unbrie () Stupidity, the utiler resustant of
Intemperance, that unbri-
she oper to all kind actives) Temperance (fault to feldom, that the Ancients
could invent no name for it.
Aut Dem eft, aut Truncus iners, qui nesais amare, wal lo ai visbold Eucesse. Sobriety. Desect.
Meates, gluttony. ? Overmuch abilinened & Meats.
Drinks drunkenneffe. (Meant.) from necessary Drinks
Caftitas St Calibatus, color de de de la vale 4
T is argues, that hothour felvor may others in inquire. Carries of a constant of the carries of a constant of the constant of the carries of a constant of the constant of the carries of
Chastity is the containing of bodily lusts to the penarried a moderating of
them to the married of principle of them to the married of principle of them to the married of them to the married of them to the married of
It is in { Minds to It is a time of the Body, to the state of the Body, the Body, the Body th
The breach of it is not from the act onely, but from the thought and affecti-
on of defiling.
The Integrity of mind and body is termed Virginity, the queene of Vertues.
If wee abstaine in body but with reluctance of mind, it is termed Containing. A vertue Civill, fith law cannot take hold of us, but not full Morall.
Excesse. Meane. Defect.
(1 Words.) Defrauding our bodies of plea-
Unchaftity in 3 Gesture. Chastity. In none but the married, which
Actions. In none, but the married, which must not defraud one another.
To the state of th

A Summe of Moral P bilofophy.

(1 Diseases to the body. It effecteth 3. things, a Deformities.

Summing of Corruption to the mind. It siling to grawofied.

Cylinded a roll as large. 1 Veracitie, or a habit of telling truth. XXX b to of Content. Sig contrav His Verme moderates the defire of wealth. There are s. Ss. A gratefull acceptance of our present estate.

John parts of it is Barring desires of more then besits our use.

The properties of it are 5 It breeds quietnesse, and tranquillity of mind. It cannot be incident to fooler and ambitious men. It is a token of a good nature, and wife discretion to know sufficiency.

It is the truest riches; whereas the injoying of the greatest possessions with defire to get more, is the truest poverty.

It ventures not wealth in rash mispending, but keepes what is gotten without feire till excession, and use force him to spend. Defect. Meane.) Neglect of our state temporall. Covetousnesse, whose effects (Neglect of our state tempora tie 2. I. A defire of gaine)

2 It perswades us to all vice Aumipuse (I Idlenesse in our vocation. distributed a by Extremity of want. for the attaining it. nothing, that may play dick dias aller XXXII. Modefly, and Magnanimity. sile of both, acquiring and exerci BOth these are conversant about honour: The ground of them is desert. To fue for henour deferred 2 2 To accept it offered. To stand for his place, when his honour is deservedly yeelded to him. Modesty is of lower, and lesse honour, as our defert is lower, and of lesse Magnanianity is for the most generous heart, to defire the best, as his vertue is in supereminency above others. Modelty hath these rules. I It argues, that both our felves and others have fit approbation of our vertue. 2 It is resolute against carpers, and wrongfull imputers.
3 It is humble in not acquiring further, then shall benefit us. 4 It showes { Words. } either for the { Wishing what we deserve. Refusall of what we deserve not. Excesse. Meane. Ambition hatched Modesty. Strom ignerance of our owne worth, not daby prefumption, Mode of mied it is termed Continuing ave. Hind tole and the half of us, but not within the

Issue (abge W

XXXIII. of

) to Definiteding one bedder of plea-

for A from Charles and sone buried : This is victors.

African African State of the sone buries in the control of the sone of

Just all from our felves, as vices.

XXXIII. of Magnanimity.

The internal the most valiant ought to deed; his feare roull be to northing

Allies from wrichout us.

Agnanimity is for the highest perfection. It aimes at the best honour, to (whereas Honour is the repute of the multitude) the perfection of ir is greatest, when that repute is most transcendent and generall. Thence the person truely magnanimous must have the whole fardle of vertues, that hee may benefit all, that speake well of him, and hart none to avoid Ignominy.

The Adjunct of Magnanimity must be the highest place and office.
The Rules are 8.

The person having it counteth his honour received due unto him both for others good, and his owne defert. He cares not for common centures. z. Evilepridinary are

He rather gives then takes rewards.
He remembers not injuries:

He is pliable to all forts of persons, with satisfaction to them, and credit to himfelfe.

6 He admires not others { Words, } fith he him-{Pleasure } is able to doe
Deeds, } selfe on {Occasion } the like.

He is sparing in censuring others, yet living.
He puts not himselfe upon voluntary dangers, yet undergoes the atmost, if it be put on him.

Excesse. Meane. Pride. Magnanimity.

Defect. dit dite sining Pufillanimity, of unfit dejection cal-led prostuzia

> I hid or mid not hateval son at 21 arther childwinichen con and ze. and

Pride is in { Vaunting our owne parts.

Suffering others to attribute more to us then we deferve.

It arifeth from philauty. It betrayes it felfe is Gefture: and they sidd for a much in the Apparell.

It hath these tenents. 5.

A proud man admireth none but himfelfe.

The way to abate him is to let him know, that we from him.

He is unjust, as attributing all to himselfe, and derogating from others.

It is most inclining, and most dangerous in falling.

It is most inclining, and most dangerous in falling.

Pusillanimity doth undervalue our worth.

The rules of it are 4.

It is ingratitude towards God to receive gifts, and by our reservednesse to

It makes other jealous of our parts, when we our selves distrust them.

It is the mother of identife.

It defrauds other, that may get by us. no suffer made such no of quantulov

XXXIV. of Fortitude.

He Passions that exercise { r. Care to be raised, this vertue are { 2 Boldnesse to be repressed. } It is the indurance of evill for { Honour Honessy } fake.

Evills are Internal from our felves, as vices.

Externall, as dangers falling from without us.

The internal the most valiant ought to dread: his feare must be to nothing but finne. Magnanimist. r Extraordinary as Straige Lightnings from Thunders, are. God. (Prodigies. notement and introduced the multiple of the perfection of the reput of perion-truely magnatimous salished.

The former one contemporal and some salished and some salished aft.

The Adjunct of Magnation members. The valuant mans vertue is onely in contemning the latter.

Generall to all as, Dean, dec.

Evils ordinary are

Evils ordinary are Especiall to some as, Difeases. Difeates, bon about ar dio Death is the principall object of Fortitude, fifth its the most terrible of all other evills.

As barring us from the exercise of all morall vertues: the uplhot of all As bereaving us of all temporall commodities, the objects of our delights All death is not properly the object of Fortitude, but the most honourable, as dying in warre fir be pur on him. Sight is with highest honour.

Sight is with highest honour.

The effects of Fortitude are 3.

To triumph over our enemies. Micane. Excelle. Magnanimicy. Pride. To keepe our owne thate quiet from the wrong of others. And is shirt Ant cita mors venit, ant vitteria lata, The incourages of this vertue are 5.
Words of cheering from the honourable, and wifer fort. Examples of others thewing their words by their deeds. Exercise in skirmish. Hope of reward, if not of spoile, yet of glory.

The enemies weaknesse, and unprovision.

The Tenents of Fortinde are 3. (1 They must bee horiogrably undertaken not on fuddaine Pallion, or resolution. The danger that it undergoes): They must be in thew, that they may be commended by the weale publicke.
They must not bee for private respects. or a must have 3, conditions. The valourous must not be stockish but have some teeling of wounds, yet voluntary he endures them for his ends take.

3 It is not lawfull for him to kill himselfe, firth hee doth it for avoidance of further evill, which is cowardize, nem Timids of opears novems, Ovid, welan Fine forts of men feeme to have Forrinde, yet have not.

They that undergoe on hope of reward, dangers onely for feare of punishment. As prefied Souldiers.

They that warre onely, because they have had experience in the warre, and cannot shew their skill otherwise. They that run to skirmil in the thought from they one see what sairt They that overcame often, and for hope of like fuccesse venue more.

They that weigh	not the extent of the dangery play are forme acfolice fue?
Excelle.	equall in deferthetelike in punifhaush
Rashnesse of vent	
Kainnene of Alan	on the pair Fortitude Cowardize. This grounds most on the pair of feare.
el, grounds mois	on the pair Fortitude. Lowardize. This grounds
fion of boldne	us above out delett.
	Both are tearmed injury.
	the translation for appelies to account of all property of
ien euch aud benom	In to turning and out the Company of the sure of the s
	ing on in that deferve it not.
ann our Sent	The defect is injury residuate, fielox & K. Lave
	The Rule of injury is:
-110i i	
Pinio its the most	ber and foundable of other Verties if it is in every con-
Street on of the	carnet dee himfelte injury, fith as ne receiv calldured on the colors it has in characteristics.
in activities of the Di	as he offers it, hee is voluntary: And wee castevire
It is grounded in	fame thing
At 10 grounded in	Continue of the delication of the state of t
ntowed and and some	Juliece of Exchange stifted for guilbindending lister
It is either Part	of the thing: It is enocipally install and to
(e	Person. Sertino
Univerfall C Die	This differs from the other aid self sech the blery or more
2 harre 5: Ob	that not : They are in trades, this in Awarl add or sonsibe
- SCHOOL OF SAME	C The control of the
The lawes are eit	In ancient time they used to guesses quantity Francisco
of poiling they bas	Micrais by Weight them. I work a comment of the
er exelorana com	dires stories Nations States of Nations
The written are	the politive lawes 2 Law of 2 Nations.
of the land, gr	Offices, strictering or sold of the continue o
	11% CXCCHEDING TO SAMORIDA ON EXCHARBING
Defect:	-3 -L - 19 Publicke
hen wee fall fee fee	When we fell for more? ? Private.
C. Fo	dired by the whole flate, as Statutes. Almow an again
Bubliche & Dec	ceeding from the King sloke as Edices, and not attal
Limiter, July	second trom the will mone be Ethers, and
	wee wrong our felves, and it is more toler anothernals
Private is for spec	ciall contract; as Leafes, Bonds, Deeds, and all which have
orce of law.	The meane rule for this implice is.
and the language	I Her is more in lant, that described of the salt shiel
The not-written	Socrates his faying, and, Gell, Menbiss N. S. p. wal saitel
	Service Caldestone in the Contract of the Cont
	(r Live honeftly.
The precepts of th	nis Justice are, vie. {2 Wrong none.
Morne	mgafa han gilla (3 Yoeld every man his right.
	CAC.
	Distributive defiguing Dince. (according to
nout premales to ci	HILL TO SHE VOTO I NEW AND SHITE OF THE PARTY OF THE PART
Particular Justice	Punishments.
The state of the s	/2 Commutative in matter of exchange, and bargaine
	betweene man and man. M
m. 1	Former is favour, an acceptation of perfors,
The breach of the	t iperality is of lower abilities. : attumence
	Latter deceipt.] secretary charefulary are int
e.	In it are confidered a condition logonal of givin
Fourse things pressed	The end onely is colnoined at the period of the did of
Lind Canh	THE COMMENTE TO THE PERIOR OF A ALTHOUGH
kinds of Jultice.	3. Feare to displease great ones.
\$	A Rancor, and malice.
Rice of distribution	nconfi- S Reward for the person deserving.
ders a. things :	2 Osci Character Courte rice Con Charling
Hera a. HimBa :	Punishment for the person offending.
1961	Honour Stathe good.
The objects of it	are either & Reward & Table good.
	The manner of give bed and on guine fled Platting Bift ou
	Handler to the sure and the sure and the sure and and
ent to come.	Tanana ta
amor of Ida	bounded by circumstances, 3 The place where it manar
It is not positive b	but varies according to the quality of the person: As in
It is not politive by Army all must h	renent is siturated out a contribution of the person: As in our varies according so the quality of the person: As in ave their payarbas the Captaine more then the common

Souldier's And it were injustice to make them equall in reward, that are un equall in defert. Thellike in punishmented Radanesse operating. This (Excelle. Meane. Injustice in differing to us above our defert. Jultice. To Injultice in veelding us leffe then Both are tearmed Injury. The excelle is injury to others, and robbing them of their due, and bellowing on us that deferve it not.

The defect is injury to our felves, firth others can have, and we not.

The Rule of injury is: That it is suffered full with repining and unwillingnesse. thence a man cannot doe himselfe injury, sith as he receives the wrong, hee is repining, and as he offers it, hee is voluntary: And wee cannot will and nill at one time the d in proportion and va Justice of Exchange respectett not the quality of the person but the worth of the thing: It is principally in buying and selling and in all matters of This differs from the other, for this goes upon quality (16 much for for much) that not: They are in trades, this in Merchandize, the meane is money. In ancient time they used to give wares for wares : afterwards they gave Metals by weight for them. Now for more convenience of portage they have invented money, to wit, Metall in sampe and by it they exchange commodities, The extreame in generall is unjust exchange, Excesse.

Meane.

Defect.

When we fell for more 5

Justice commutative.

When we fell for lesse In the former wee wrong the buyer, and it is the greater fault . In the latter wee wrong our felves, and it is more tolerable, fith our felves are the cause e is for speciall contract, as I cal es, Bonds, Deeds, and all whici take The meane rule for this injustice is. Hee is more in fault, that doth the wrong, then hee that takes it, It was Socrates his faying. Anl. Gell. Nott. Att.1.2.c.9. XXXVI. Of Liberality, and Magnificence. "He act of this Vertue is relieving others wants, without prejudice to our owne Carre Their difference is & Liberality is for leffe gifts. The object of both is money, or money worth.

Liberality is of lower abilities. To receive Like profit are not counted li-They that give 2 Upon oftentation: Onlong importaning and fuit; de go (Who the Receiver) is The manner of giving is the time that the gift ought to come bounded by circumflances;

3 The place where, man and a writing tone it. any Army all must have the definition of Capaine more then the common

	nult be Wife to beltow on the worthielt.
ed though che	ecerter bee lend, yet, if hee be in poverty, his poverty makes
haw worthy of re	eliefologia o compro
2 The time must	be without panse. Bis dat, qui ent dato and
	If the give energy for honelty Take, take a publicke place, that others may witnesse it, firth fame is the
The place mul	the strumpet of Vertues and with the strumpet of Vertues and strumpet of Vertu
on a confidered	of 2 amif for poverty and almes blow no trumpet; a place
_	of most privacy makes the gift most acceptable, Vbi-
	oult be such, that it be not to the hurt of the receiver: it must
betweene ei	
giver, that by giv Excesse.	
a mans privat	wasting Liberality. Avarice, or Niggardize: this is willer estate. Liberality. ling to receive all, give nothing.
It is further r	emoved from liberality, whose act is in giving, fith the nig-
gard gives nothin	ig, and the prodigall gives too much. of who are and is
The niggard	defraudes both himselfe and others: The prodigall harmes
	rid benefits others. The state of a million and a wall conce is a Vertue onely for great ones.
ana an washing	aboo'n tanfiam (r Blood.
The Magnifice	in must be high above others in a Office.
pnol-	1000) tomo de principal 3 Vertue:
Excelle	Meane. Defect.
Exceller Riotous milipe	Meane. Defect.
Riotous mifpe (End of it of	Meane. Defect. Inding. Sordid parlimony; fearing tentation.
Riotous mifpe (End of it of	Meane. Defect. Sordid parfimony; fearing to spend when Magnificence. Magnificence. Neglect of our Magnificence. Neglect of our Mecessity require.
Exceller Riotous milpe End of it of The Cause 22 1	Meane. Meane. Defect. Sordid parfimony; fearing the pend when the pen
Exceller Riotous milpe End of it of The Cause 22 1	Meane. Defect. Sordid parfimony; fearing to spend when Magnificence. Magnificence. Neglect of our Magnificence. Neglect of our Mecessity require.
Exceller Riotous milpe (End of it of Caufe 22 I	Meane. Meane. Sordid parfimony; fearing the folly when Magnificence. Meglect of our the specific in the Mecessity require. Poly and the specific in the Mecessity require. Private estate. As organization of control and the meaning of
Exceller Riotous milpe (End of it of Cause 22 h	Meane. Defect. Sordid parfimony; fearing to spend when Magnificence. Honour Necessity require. Necessity require. XXVII. Of Courtesse and Vrbanity.
Exceller Riotous milipe (End of it of Caufe 22 1	Meane. Defect. Inding. Sordid parfimony; fearing hentation. Folly. Magnificence. Hoto spend when heglect of our heart spend in the recession of periods and periods. Necessary require. Private estate. As organization of course seed and periods and periods and periods and periods. XXVII. Of Course see and Vrbanity.
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Exceffer Riotous milipe (End of it of Cause 2 1 Cause 2 1 Whis Vertue The Act of it is	Meane. Meane. Sordid parfimony; fearing to spend when the second when the se
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Exceller Riotous milipe (End of it of End of it of End of it of End of it it it had 2. parts The end of it it it had 2. parts The fterne to g It was faid of	Meane. Meane. Sordid parfimony; fearing to spend when Honour Neglect of our Private estate. Magnificence. Necessity require. Necessity require. Necessity Necessity Recessity Rece
Exceller Riotous milipe (End of it of The Cause 2 It It had 2 parts The sterne to g It was said of It is most home	Meane. Meane. Sordid parfimony; fearing to spend when Honour Neglect of our Private estate. Magnificence. Necessity require.
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Exceller Riotous milipe (End of it of the Cause 2 1) Cause 2 1 Cause 2 1 The Cause 2 1 The Act of it is The end of it is the fterne to go It was faid of a the ciscumple of	Meane. Meane. Sordid parlimony; fearing to spend when solly. Magnificence. Magnificence. Magnificence. Mecessiry require. Necessiry require. Necessiry require. Necessiry require. Serious Conversation. Sporting Conversation. Spending of behaviour. Please others. Demerit their good opinion. Easiness of accesse. Slownesser take offence. Suide it is Gravity, least our affability turns to lightnesse. Cato Major: Erat in illo vivo comitate condita gravitate. The rules of it are 3: ourable in high persons. Time. Place. Person.
Exceller Riotous milipe (End of it of Ind of it of Ind of it of Ind of It of It had 2. parts The fterne to go It was faid of It is most home the cistums	Meane. Meane. Sordid parfimony; fearing to spend when Magnificence. Magnificence. Magnificence. Mecessiry require. Necessiry require. Necessiry require. Sorting Conversation. Sporting Conversation. Solveness of accesse. Slownesse to take offence. Suide it is Gravity, least our affability turns to lightnesse. Cato Chajor: Erat in illo vivo comitate condita gravital. The rules of it are 3. Sourable in high persons. Time. Place.

	For courtefie in ferious matters the extreames are:
-	Developing ingreat ones () Morofity, as feeking neither
1	Comitie. To please any in honest causes,
	soothing in the lower ranke. Inor be displeased by any
3	Affability in foorte le called S. Laking C. sene
	Excesse. Meane Defect.
	Excesse. Meane: Rusticing making not able to give, nor
	Scuttility for abuse { Urbanity. } Rusticity, making not able to give, nor willing to take jests.
	The state of the s
	4 Face a Various Ling the , it enot to the Line of the receiver : it must
	XXXVIII. Of Grace of Carriage.
	The state of the s
	district the confidence of the receiver, prefere the of the
	This Vertue makes not a man Reall for honefty. But complementall.
	S. Generall ? C. Golion
	- Its rules are & Generall & for fathion.
1	1. Generall. 7. miligha and shows a self passage.
	Goe cleanly in apparrell. Keepe our body from loathlomnelle.
	semiral flat hand out : 220 Co. D. A. of Leine work SHead
	Have a fit composure of Gesture, specially for Hands.
	Care, and all without affects tion, and the cueffe.
	.bool (r Fitnesse of words. Discretion of reply.
	4 Have convenience of 2
	ipeech for and Model and Anected
	Emissi; Vicinitad under [1]
	State Cheichean language - let not that bec often, but as occa-
	Gesture. Shrickes in laughter: let not that bee often, but as occa- fion is offered; and that not so much apprehended by
*	ne as the company alfo.
	6 Use due reverence to our betters, observance to strangers, pleasure to our
	Acquaintance, Courtese to our inferiours. 7. Take meat and drinke mannerly.
	у при
	Speciall rules are had from confideration of each Degree.
	rought Sext. Treatment of the at the Common with I
	anverte: to the most the bar and only at a 19 200 11 19
	Perions differ in \$3 Manners.
	(4 Fortune lego Lor C Table 2014
	Towards all our carriage must be honest and pleasing.
	I Honest pleasure is made by Speech. Gesture.
	Twixt difference of fexe this behaviour & Little speakers :
	is requifite: women must be \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Men must take up the talke.
	Their talke must be serious of \ Not things forrowfull, but of mirth, and
	Their talke must be serious of Not things forrowfull, but of mirth, and obvious passages.
-	Their pellure is learned by dancing.
	2 Difference
đ	And the second s

Youth. Difference of yeares is either in, fc. Middle-Age. Old-Age. Wayes to be gracefull with young. They are soone angry: { Word, sto raise passion in them.

Crosse them not in { Deed, }

Enquire not of his saults: If a friend, tell him in private; if a stranger, he fcorneth thy rebuke. 3. Tell them of good hopes, and great adventures. Young men are credulous and confident: and if you perswade them to the hope of a good, they will love Our speach must rather be of pleasure, then profit.

Be merry and jesting, and seeme to like of their company. To be gracefull with old men 5. wayes. Bee not resolute in Tenepts discoursing with them: they are soone testy, if they bee croft, and love rather a young man doubtfulf in controversies, then over-holding; fith they know the hardnesse of finding out a truth, and the carnestnesse of youth in holding a possible falshood. They are suspitions, we may not grow in too fast with them, or force into 3 Our speach must rather be of profit, then honesty, since they are generally covetous. thority in their persons.

They are talkative, feed them with speach, but rather second them in their conceits, then to sift them from contradictions, take heed of often replies, conceits, then to sift them from contradictions, take heed of often replies, conceits, then to sift them from contradictions, take heed of often replies, conceits, then to sift them from contradictions, take heed of often replies, conceits, and pertaining to Shew reverence to age, not for fashion, but as spying some sparks of authey must rather be forced by question, then they proceed voluntarily.

To aske them questions, saye onely of things necessary, and percaining to themselves is against good manners. The middle aged keepe an indifferent & Young. Old. tenour betwixt both Honesty, which likes young men. Profit, which likes Our way to be gracefull with them is to keepe the middle straine for old men. Difference of manners is seene accor-Passion which have beene fording to the difference of passions, and the merly described. way to behave our felves in such a case is from the observance of his Difference of fortune is seene in Nobility of birth.

Height of office.

Riches. Our behaviour to Yeelding in word, This is most honest for us.

Submission in body, Pleasing for them.

XXXIX. Of Amulation.

Mulation stirs us up to Vertue, and heartens us to Imitation.

The object of it is a good quality in others, and attainable by us.

It is with griese, that others have out-stript us, and with hope of over-taking them.

It differs from Envy, fith that is in the worst, this in the best natures: Li-

curgus in Sparsa, commended it to youth, naming it the nurse of Vertues. In it felte it is profitable, { Hate.
but in excesse raises { Envy.

The parties most given to it are,

Young men, sith they are ever in rising.

Trades.

They, who have equality of { Professions.

Abilities.

Abilities.

As the Roman amulates the Souldier, the Arbenian the Scholler, the Carthaginian the Merchant, &c.

3 They, who count themselves of worth, and hope to attaine to as much perfection as another.

Defect. Excesse. Indignation for an Samulation Abjection of mind, as not weighing, others rifing.

Abjection of mind, as not weighing, whether we be out-ftript or no.

the afforday of two word with the against of the

VERT DW , REPORT HO XLI. of Continency.

his is conversant about { Desires } especially of {Nourishment. Venery.

The difference betweene a continent and temperate man is: The temperate hath his paffion of defire subdued within: The continent not without foile and reluctance; paffion dwelling within like a dangerous Citizen; though stopt from rifing, yet ever feared.

Hence Continency is not properly a vertue, fith passion is not brought to confent with reason: And Incontinence is not properly a Vice, fith it doth that fact, but in judgement condemnes it.

The Intemperate doth it, \ Will is corrupted.
and approves it, fith his \ Judgement is blinded. The opposite of Continence is Incontinence:

The Incontinent before the act hath knowledge of what is right and fit to bedone: in the act hee is carried by Passion, which blinds him that hee cannot apply that knowledge: After the act hee remembers the fault, and begins to repent.

He falls into this vice by {Heedlessesses, as not willing to forecast his danger Instrumity, as not able to resist his Passion.

Fals from infirmity are lesse curable, then falls of headinesse, fish the one

comes from a debility of nature; the other but from an heat of Passion.

XLI. Of Patience.

His differs from Fortitade, as Continence from Temperance: The act of I it is bearing of harmes, but with griefe and trouble of minde.

Hence it is no perfect Vertue, fith vertue must be \ \ Voluntary.

Excelle.

Stockish obduration: The Sparans | Meane. Defect.

Stockish obduration: The Sparans | Impatience: A wouled their children to it in beating them, Patience. | manish yeelding to unavoydable evills.

to IIIX on have brings is in the work, this in the best names :

XLII. Of the Heroicall Spirit.

His rifeth a degree of Eminence above the reft. It differs from other vertnes as heate from warmth.

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It differs from o

The opposite of it is Savagenesse: A generall falling from all good duty without judgement to know, or will to wish the contrary.

These are the Catalogues of Vertue. Vertue tempers Passion. Passion gets his meane from Wit, and Will: And these intend for their felicity.

Detwe inoffensa vita mibi tangere metam.

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21 Of Anger.
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23 The efficient cause of Vertue.
24 Of Confesence.
25 Of Consultation.
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28 The formall canfes of Vertne.
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